

1920

# City of Bangor Mayor's Address The Annual Reports of the Several Departments and the Receipts and Expenditures for the Municipal Year 1919-1920

Bangor (Me.)

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# CITY OF BANGOR



MAYOR'S ADDRESS

## THE ANNUAL REPORTS

OF THE SEVERAL DEPARTMENTS

AND THE

### RECEIPTS AND EXPENDITURES

FOR THE MUNICIPAL YEAR

## 1919 - 1920



BANGOR, MAINE  
BANGOR CO-OPERATIVE PRINTING CO.  
1920



# Bangor City Government

## 1919-1920

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Mayor, JOHN F. WOODMAN

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### ALDERMEN

Ward 1. Edward R. Hickson	Ward 2. Frank H. Robinson
Ward 3. Frank W. Farrar	Ward 4. Horace B. Morison
Ward 5. Joseph E. Friend	Ward 6. Frank O. Youngs
Ward 7. James P. Quine	

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### COMMON COUNCILMEN

President, Chas. H. Smith

#### Ward 1

Michael J. Bell	James E. McGrath	Frank E. Cox
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#### Ward 2

John F. Rogers	Charles T. Ferry	Martin L. Nagle
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#### Ward 3

Fred L. Ricker	Vinal L. Smart	Howard T. Fogg
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#### Ward 4

Frank MacLennan	Benjamin W. Mayo	Herman L. Johnson
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#### Ward 5

Charles H. Smith	Henry J. Wheelright	Archie R. Lovette
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#### Ward 6

Henry F. Whitman	Willis W. Berry	Charles J. Jones
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#### Ward 7

William A. Ryder	Edward J. Conley	Charles O. Bolduc
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Clerk of Board, Thomas G. Donovan





## Mayor's Address

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Bangor, March 15, 1920.

*Members of the City Council and Citizens:*

My first duty is to thank you for the great honor which you have conferred upon me in electing me to fill a position which in times past has been dignified by so many able men. Men of thought, men of action, men of affairs have occupied this place with the same task before them that I am undertaking today. My appreciation of this honor has been quickened by the sense that I possess none of those extra qualifications which in many cases have guided and justified your selection; but on this occasion your choice has been determined solely by your generous appreciation of a citizen loyal to his political faith and intensely interested in the welfare of the city.

We are here today and have given our solemn oath to guard and administer the affairs of our city for the ensuing year with the best of our ability, and with the same call for honesty of purpose and the appreciation of justice that has made success possible in the affairs of men.

At this time I will not undertake to discuss all of the different departments of our city, but I may have occasion to confer with you in relation to the others at another time.

The city has asked that Central street be widened, and it should be done. The cost, carefully estimated, is sixty-five thousand dollars. Assessments have been levied against property owners for about sixteen thousand dollars, which requires an expense to the city of approximately forty-nine thousand dollars.

Bull's Eye Bridge across the Kenduskeag stream must be rebuilt. The piers and abutments are unsafe as well as the bridge itself, one span being beyond repair. The other two spans could be strengthened for a year or two. We are told by those in a position to know that the cost of new abutments and piers with a suitable steel bridge would be thirty-five thousand dollars. An additional five thousand dollars would build a concrete bridge instead of steel. Should we decide on the concrete structure the piers and abutments and one span could be built this year for about twenty thousand dollars and the other two spans could be completed next year. At this time I favor the concrete construction as it is more economical, not requiring planks or paint. If properly built it will last longer, be more artistic, and would save an expenditure of fifteen thousand dollars this year.

The re-building of Main street from Kenduskeag stream to Sweet's corner has been undertaken. This required new retaining walls for some distance. The wall on the south side has been built, the conduits are laid, the wires installed, and the paving

blocks have been procured. I hope this work will be completed during the season.

There is need of permanent road work. People are no longer satisfied with the expenditure of money for temporary repairs and we should be determined that some money be expended each year to make our streets and roads permanent and substantial thoroughfares. For such the state bears one-half the expense. Thus it seems wise for us to make a fairly liberal appropriation for these needed and appreciated improvements.

Central street bridge is said to be unsafe for heavy traffic. This is a busy street and during some parts of the day the travel through it is large. Should this structure fall it would be a calamity to be regretted. Four new girders could be placed in it and the bridge made safe at an estimated cost of eighteen thousand dollars, and I recommend that it be done.

It pleases me to say that the Penobscot County Medical Society of which I have the honor of being a member, and other prominent associations here, have recommended that a full time health officer be appointed by the city.

The borrowing capacity of the city is but thirty thousand dollars and it seems poor business policy to reduce it. It has been said "of all debts men are least willing to pay the taxes" but since we are not at the mercy of any waves of chance by which our obligations can be met there is only one thing to do. For the additional expenditure required for improvements and for the necessary increase in the salaries of the teachers and other

city employes, it is evident there must this year be a higher tax rate.

However, I will, and I trust you may exercise rigid economy in the expenditure of the city's funds.

It gives us great pleasure to have this fine body of students with us in the ceremonial of this day. We are justly proud of these young musicians of the Bangor High School Band, of our cadets, and of our High School Athletes.

It is true that the character of a people is in no way better indicated than in their interest in the public schools where the training of children should be thorough and well calculated to prepare them for their life work.

We recognize the fact that the school children of today will be the men and women, before long, upon whom will devolve all of the duties and responsibilities of life and the care and preservation of our country. We cannot, then, without guilt and disgrace, be neglectful of our schools when so much depends upon the faithful education of our children.

The importance of securing and retaining excellent teachers should be carefully considered. Without efficient instructors, many of whom we have in Bangor, we shall fail in our high ideals.

None are more deserving of appreciation and fair compensation for their work than the teachers.

I regret that conditions are such that some of our able and experienced teachers are induced to accept positions in other cities for larger salaries. We cannot afford to lose them.

This situation reminds me of something from Emerson which many years ago made an impression. This great man said: "A gay and pleasant sound is the whetting of the scythe in the morning of June yet what is more lonesome and sad than the sound of the mower's whet-stone when it's too late in the season to make hay."

Every legitimate requirement of the schools must be speedily met or we cannot enjoy the freedom of democracy.

The bestarred flag expressing in silent language the memory of the brave and the halo of patriotic sacrifices are seen in the centers of learning throughout our land.

In view of our recent deliverance from an unspeakable menace was there ever better investment made of our money or one with safer security or more liberal returns than that which you have expended in supporting the public schools?

Thousands of teachers planted in their pupils splendid loves and splendid hates; love of freedom and right, hate for tyranny and wrong. They taught the boys that the flag was a precious emblem, and the girls that the Red Cross was a sacred mark.

The names of those who have fallen show that Roman Catholic and Protestant, Hebrew and Gentile mingled their sacred blood in the stricken field. They had gathered knowledge enough about this republic and its purpose as a government to die in its behalf. In large measure the knowledge came from the priest, the pastor, the rabbi, and preeminently from the school teacher.

It was not until the black cloud of war broke out upon us that we really appreciated the full worth of our Bangor boys, who so willingly and gladly left their homes to join our magnificent American Forces and it is with great sincerity that I congratulate our soldiers upon the firmness with which they did their duty. I can also congratulate them upon living in a city whose people were unfaltering in doing everything possible for their relief and comfort.

Heartfelt sympathy is everywhere expressed for the widows, children, and parents of the brave men who will never return.

In conclusion I want to say that I shall perform my duties as your chief executive with the best of my ability and will be grateful for the advice of interested and fair minded citizens, for good government has its origin in the moral identity of men, and to get best results there must be united effort. Therefore, gentlemen of the city government I ask your support and co-operation for it rests with us to carry on the work so long and well begun and to do all in our power to promote the prosperity of Bangor.

I thank you.

Jarvis B. Woods, Mayor.

## Report of the City Auditor

Bangor, Maine, May 25, 1920.

*To the Honorable, the Mayor and City Council  
of the City of Bangor,  
Bangor, Maine.*

Sirs:

The cash receipts for the fiscal year ended February 29, 1920 were.....	\$1,337,321.96
Received from school funds, paid Treasury Warrants.....	29,942.22
Total Receipts.....	<u>\$1,367,264.18</u>

Less:

Transferred to Trust Fund Cash:

Hiram Fogg Fund.....	\$50.00
Firemen's Relief Fund.....	358.16
French Medal Fund.....	71.13
	<u>\$479.29</u>
Receipts less Trust Fund Cash.....	<u>\$1,366,784.89</u>
Paid Treasury Warrants.....	1,351,167.11
Balance.....	<u>\$15,617.78</u>
Balance March 1, 1919.....	37,009.84
Balance February 29, 1920.....	<u><u>\$52,627.62</u></u>



Trust Fund Cash March 1, 1919..... \$3,811.85

Received:

Fogg Fund Interest.....	\$50.00
Firemen's Relief Fund Interest.....	358.16
Holton Medal Fund Interest.....	71.13
	<hr/>
	\$479.29

Trust Fund Cash Balance February 29, 1920.....	<hr/>
	\$4,291.14

Current Cash.....	\$52,627.62
Trust Fund Cash.....	4,291.14

Total Current and Trust Fund Cash.....	<hr/>
	\$56,918.76

Bank Balances and Cash:

Eastern Trust & Banking Co.....	\$15,096.17
Merrill Trust Company.....	16,003.71
Merchants National Bank, Bangor.....	9,286.60
Merchants National Bank, Boston.....	2,156.35
First National Bank, Bangor.....	10,885.38
Deposit made up.....	3,490.55

Total Bank Balances and Cash.....	<hr/>
	\$56,918.76

At the beginning of the fiscal year, there were  
outstanding

Municipal Bonds.....	\$670,000.00
Water Bonds.....	500,000.00

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\$1,170,000.00

## CITY OF BANGOR

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There were issued, during the year, Bonds to build Fairmount School House, Serial dated Dec. 1, 1919, due 1920-31 .....	\$90,000.00
	<hr/>
	\$1,260,000.00
Bonds retired during the year .....	20,000.00
	<hr/>
Bonds Outstanding .....	\$1,240,000.00
	<hr/> <hr/>
At the beginning of the fiscal year, the Water Loan Sinking Fund was .....	\$114,229.22
Received during year:	
Cash for 1918 appropriation .....	\$12,000.00
Interest on bonds and on deposit .....	5,223.69
	<hr/>
	\$17,223.69
	<hr/>
Total Water Loan Sinking Fund .....	\$131,452.91
	<hr/> <hr/>
(There was due at close of year, appropria- tion of 1919, \$12,000.00, which was paid in March 1920)	
The Water Emergency Fund at close of last year was .....	\$19,338.02
Added this year .....	10,686.92
	<hr/>
Making a total of .....	\$30,024.94
	<hr/> <hr/>
There was reserved for Municipal Bond cou- pons due but not presented for payment . . .	\$660.00
	<hr/> <hr/>
Water Bond coupons due but not presented for payment .....	\$470.00
	<hr/> <hr/>

Accrued interest on Bonds issued for New School House.....	\$101.25
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There was transferred to a reserve account the following:

Appropriated proceeds sale of \$90,000.00 bonds for New School House.....	\$89,514.00	
Expended during year.....	31,482.22	
Reserved to pay for balance of contracts.....		\$58,031.78
Balance left from previous year's appropriation.....		130.07
Balance left for construction.....		\$58,161.85

Contracts for New School House not completed:

E. R. Brooks original contract.....	\$69,184.40	
Allowance for extra work.....	199.60	
		\$69,384.00
Treasury Warrants drawn against same.....		33,190.00
Balance of contract not completed.....		\$36,194.00
The Dole Co. contract—electrical fixtures.....		\$2,650.00
Treasury Warrants drawn.....		1,400.00
Balance of contract not completed.....		\$1,250.00
C. H. Babb & Co. contract—plumbing.....		\$20,113.00
Treasury Warrants drawn.....		7,200.00
Balance of contract not completed.....		\$12,913.00

## Summary of contracts not completed:

E. R. Brooks . . . . .	\$36,194.00
The Dole Company . . . . .	1,250.00
C. H. Babb & Co. . . . .	12,913.00
Total . . . . .	<u>\$50,357.00</u>

The valuation of the City of Bangor as at  
April 1, 1919, as reported by the Assessors  
is as follows:

Real Estate . . . . .	\$18,639,532.00
Personal Property . . . . .	7,569,321.00
Total . . . . .	<u>\$26,208,853.00</u>

The Borrowing Capacity allowed by the State  
is 5% or . . . . .  
Bonds outstanding . . . . .

\$1,310,442.65  
1,240,000.00

Borrowing Capacity . . . . .

\$70,442.65

Less:

Amount of guarantee to the United States Army  
Department for school equipment . . . . .

\$19,900.00

\$50,542.65

Less: Accrued Interest on Bonds . . . . .

7,050.00

Borrowing Capacity as at February 29, 1920 .

\$43,492.65

The total Revenue and Non-Revenue appropriations for the year as per Budget were.	\$795,615.48
Additional Appropriations*.....	111,943.29
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Total Revenue and Non-Revenue Appropriations.....	\$907,558.77
	<hr/>
Estimated Revenue as per Budget.....	\$254,815.00
Estimated Revenue earned.....	271,615.48
	<hr/>
Estimated Revenue Earned over Original Estimate.....	\$16,800.48
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\*The additional appropriations above included the appropriation of proceeds of sale of School Bonds amounting to \$89,514.00.

No inventory of City Property has been made for a number of years and it should be done.

Statements A, B, C and D with Schedules 1, 2, 3, 4 and 5 show detailed expenses, revenues, etc.

I hereby express my appreciation to His Honor, the Mayor, and to the members of the various committees for their assistance in last year's work.

Respectfully submitted,

L. C. Everett,  
City Auditor.

## REVENUE EXPENDITURES

For the Fiscal Year Ended February 29, 1920

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### GENERAL GOVERNMENT

#### Aldermen and Council:

Salary .....	\$125.00
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#### General Expenses:

##### Printing:

Bacon, John H., Folders .....	10.50	
Burr, T. W. Ptg. & Adv. Co., Adv.		
Co. Ordinance blanks .....	5.90	
	<hr/>	\$16.40

##### Advertising:

Bangor Publishing Co. ....	\$28.19	
Bass, J. P. Publishing Co. ....	22.75	
	<hr/>	\$50.94

##### Investigating Highway Dept.:

Bartlett, C. H. Chairman Steno- graphic services, postage .....	\$11.80
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Total General Expenses .....	<hr/>	\$79.14
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**Mayor:**

Salary .....	\$1,500.00
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**General Expenses:****Telephone:**

New England Tel. & Tel. Co. ....	\$39.40
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**Supplies:**

Cannon & Co., directory .....	\$3.00
Dillingham's, ink .....	1.50
Portland Directory Co., Maine Register .....	3.00
Royal Typewriter Co., typewriter ribbon .....	1.00
Sullivan, Dan T., blotters, pens ...	1.96
	<hr/>
	\$10.46

**Clerk:**

Hennessy, Kathleen .....	\$624.00
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**Postage:**

Bangor Post Office, stamps .....	10.00
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**All Other:**

Woodman, J. F., telegrams .....	2.94
	<hr/>

Total General Expenses .....	\$686.80
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**Auditor and Auditing:****Salaries and Wages:**

Auditor .....	\$1,800.00
Assistant .....	1,070.00
<hr/>	
Total Salaries and Wages .....	\$2,870.00

**General Expenses:****Office Supplies:**

Burr, T. W., Ptg. & Adv. Co. cards, transfer binder, etc .....	\$36.50
Burroughs Adding Machine Co., Adding machine ribbon .....	.75
Cannon & Co., directory .....	3.00
Dillingham's, pencils, ink, etc. ....	3.15
Dubois, H. W. & Co., Typewriter ribbon .....	1.00
Sullivan, Dan T., Guides, pencils, paper .....	18.37
Supply Dept., Vouchers, pencils, etc. ....	15.07
Treasury Dept., carbon .....	6.70
<hr/>	
	\$84.54

**Postage:**

Bangor Post Office, stamps .....	\$5.00
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**Printing:**

Burr, T. W., Ptg. & Adv. Co., monthly reports and forms ..	\$485.80
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**Bond:**

Somers, L. W. Co. ....	\$20.00
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**Auditor and Auditing—Continued**

## Office Furniture and Fixtures:

Sullivan, Dan T., drawer sections .	\$10.78
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## Expenses Out of City:

Everett, L. C., Portland, Augusta .	\$33.05
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## All Other:

Burroughs Adding Machine Co., care of machine . . . . .	\$5.20
New England Tel. & Tel. Co. . . . .	4.95
Underwood Typewriter Co., repairs to typewriter . . . . .	.60
	<hr/>
	\$10.75

Total General Expenses . . . . .	\$649.92
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**Treasurer and Collector:**

## Salaries and Wages:

Treasurer and Collector . . . . .	\$2,000.00
Clerks . . . . .	1,744.00
Deputy Collector . . . . .	1,073.78
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Total Salaries and Wages . . . . .	\$4,817.78

## General Expenses:

## Office Supplies:

Amberg File & Index Co., guides . . .	\$4.13
American Railway Express Co., express . . . . .	3.25
American Ribbon & Carbon Co., carbon . . . . .	9.00

## Treasurer and Collector—Continued

Bacon, John, envelopes.....	19.65	
Bangor Rubber Stamp Co., rubber stamps.....	1.50	
Burr, T. W. Ptg. & Adv. Co., die....	11.00	
Burroughs Adding Machine Co., ribbon.....	.75	
Cannon & Co., directories.....	6.00	
Carter's Ink Co., The, Coupon books	5.50	
Dillingham's Book Store, paper, binders, etc.....	95.00	
Doe Business College, The, Carbon	8.00	
Dubois, H. W. & Co., carbon.....	23.43	
Jones, Leslie E. Co., binders.....	15.65	
Manifold Supplies Co., carbon.....	26.36	
Portland Directory Co., Maine Register.....	3.00	
Sullivan, Dan T., Paper, carbon, etc.....	21.88	
Supply Dept., typewriter ribbons, paper, etc.....	3.61	
Tibbetts, D. G., receipt boxes.....	14.32	
Wescott, L. W. Inc., Adding machine paper.....	11.62	
	<hr/>	
	\$283.65	
Credit: Carbon, typewriter ribbons.....	9.18	
	<hr/>	
		\$274.47
Postage:		
Bangor Post Office.....		\$475.07
Printing:		
Bacon, John.....	\$226.95	

## Treasurer and Collector—Continued

Bangor Co-Operative Ptg. Co. . . . .	132.50	
Burr, T. W., Ptg. & Adv. Co. . . . .	69.75	
Glass, Chas. H. Co. . . . .	16.25	
	<hr/>	\$445.45

## Bond:

Blake, Barrows & Brown. . . . .	\$75.00
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## Advertising:

Bangor Publishing Co. . . . .	\$157.92	
Bass, J. P. Publishing Co. . . . .	65.43	
Boston News Bureau. . . . .	12.00	
	<hr/>	\$235.35
Credit: Charged to Tax Titles. . . . .	171.97	
	<hr/>	\$63.38

## Telephone:

New England Tel. & Tel. Co. . . . .	\$14.43
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## Typewriter:

Remington Typewriter Co. . . . .	\$275.00
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## All Other:

American Express Co., express . . . . .	\$5.14
Bangor Post Office, box rent. . . . .	3.50
Bennett, Frank P. & Co., Subscription to U. S. Investigator. . . . .	1.25
Clifford, Fred H., multigraph letters. . . . .	1.05
Dillingham's, rubber tires for vault carriage, etc. . . . .	25.39

**Treasurer and Collector—Continued**

Hitchcock, R. H., repairing adding machine.....	2.19	
Multipost Co., repairs on multipost.	1.11	
Royal Typewriter Co., Adjusting machine.....	3.75	
	<hr/>	\$43.38
Total general expenses.....		<hr/> \$1,666.18

**Assessors:****Salaries and Wages:**

Assessors.....	\$3,522.58
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**Assistant Assessors:**

Ambrose, James R., Ward 2.....	\$90.00	
Cohen, Max, Ward 1.....	99.00	
Cousens, Jasper B., Ward 4.....	90.00	
Howard, Percy W., Ward 5.....	108.00	
Runnels, H. Percy, Ward 3.....	102.00	
Small, F. H., Ward 7.....	90.00	
Thoms, H. B., Ward 6.....	84.00	
	<hr/>	\$663.00
Clerks.....		1,338.00

**Outside Assistance:**

Maude Thompson, Abstracts of transfers.....	78.34	
	<hr/>	
Total Salaries and Wages.....		\$5,601.92

## Assessors—Continued

## General Expenses:

## Office Supplies:

Burr, T. W., Ptg. & Adv. Co., binder	\$5.20	
Cannon & Co., directories . . . . .	6.00	
Dubois, H. W. & Co., carbon . . . . .	12.70	
Dunham-Hanson Co., tax card board . . . . .	.30	
Garnsey, Frank A., stamp, badge . . .	1.85	
Glass, Chas. H. Co., cards . . . . .	7.50	
Jones, Leslie E. Co., tax books . . . .	234.21	
Portland Directory Co., Maine Register . . . . .	3.00	
Sullivan, Dan T., typewriter rib- bons, ink, guides, etc . . . . .	25.96	
Supply Dept., vouchers . . . . .	2.84	
		<hr/>
		\$299.56

## Telephone:

New England Tel. & Tel. Co. . . . .	\$49.55
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## Postage:

Garnsey, Frank A., stamps . . . . .	\$1.00	
Glass, Chas. H. Co., stamped envel- opes . . . . .	12.60	
Sullivan, Dan T., stamps . . . . .	1.00	
		<hr/>
		\$14.60

## Printing:

Burr, T. W., Ptg. & Adv. Co., Abatements . . . . .	\$18.95	
Glass, Chas. H. Co., letterheads, cards . . . . .	43.20	
		<hr/>
		\$62.15

**Assessors—Continued****Advertising:**

Bangor Publishing Co. ....	\$22.80	
Bass, J. P. Pub. Co. ....	23.75	
	<hr/>	\$46.55

**All Other:**

Haskell, Robert N., distributing assessors' notices. ....	\$1.50	
Hitchcock, R. H., repairing type- writer. ....	2.25	
Jones, Leslie E. Co., repairing type- writer. ....	2.00	
Kane, Michael, teams. ....	32.00	
Royal Typewriter Co., repairs to typewriter. ....	8.25	
Thompson, Mrs. Maude L., excerpts from Register of Deeds. ....	26.10	
	<hr/>	\$72.10

Total general expenses. .... \$544.51

**Law:**

Salary. .... \$750.00

**General Expenses:****Office Supplies:**

Bangor Post Office, stamps. ....	\$10.00
Bender, Matthew & Co., two law books. ....	27.00
Burr, T. W., Ptg. & Adv. Co., en- velopes and printing. ....	25.80

**Law—Continued:**

Mountaine, J. B., Release deed blanks.....	1.20	
Sullivan, Dan T., paper, carbon, etc.....	16.22	
	<hr/>	\$80.22

**Expenses Out of City:**

Mountain, James B., attending 79th legislature.....	\$91.30
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**Extra Service:**

Mountaine, James B.....	\$500.00
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**Serving Writ:**

Mason, Frank T.....	\$3.10
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Total general Expenses.....	<hr/>	\$674.62
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**City Clerk:****Salaries, Fees and Wages:**

Brett, Victor.....	\$218.70	
Salary of Clerk.....	1,000.00	
Salary of Assistant.....	648.00	
	<hr/>	
Total salaries, fees and wages .		\$1,866.70

**General Expenses:****Office Supplies:**

Cannon & Co., directory.....	\$3.00
Dangel Co., The, envelopes.....	23.00

## City Clerk—Continued

Dillingham's, record of marriages, etc.....	58.75	
Elliott-Fischer Co., Typewriter rib- bons.....	9.00	
Portland Directory Co., Maine Register.....	3.00	
Sullivan, Dan T., pencils, paper, etc.....	32.19	
Supply Dept., blotter, etc.....	.42	
	<hr/>	\$129.36
Advertising:		
Bangor Publishing Co.....	\$14.03	
Bass, J. P., Publishing Co.....	12.50	
	<hr/>	\$26.53
Printing:		
Bacon, John H., blanks, etc.....	\$37.65	
Burr, T. W., Ptg. & Adv. Co., blanks, etc.....	35.90	
	<hr/>	\$73.55
Postage:		
Brett, Victor, stamps.....	\$31.57	
Dillingham's, postage on City re- ports.....	15.17	
	<hr/>	\$46.74
All Other:		
American City, The, Subscription .	\$3.00	
Brett, Victor, express, soap, etc....	7.66	
Burr, T. W., Ptg. & Adv. Co., cut- ting and blocking paper.....	.40	
Dillingham's, wrapping City re- ports.....	4.55	



**City Clerk—Continued**

New England Tel. & Tel. Co., Telephone.....	1.25	
Western Union Telegraph Co., Clock rent.....	12.75	
	<hr/>	\$29.61
Total general expenses.....		<hr/> \$305.79

**Supply Department:**

## General Expenses:

Salary of Clerk.....	\$780.00
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## Telephone:

New England Tel. & Tel. Co.....	\$49.25
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## Printing:

Furbush Printing Co., vouchers....	\$66.75	
Credit: Transferred to Other Depts	38.42	
	<hr/>	\$28.33

## Office Supplies:

Dillingham's, pencil sharpener ...	\$2.18	
Dubois, H. W. & Co., carbon.....	3.00	
Manifold Supplies, carbon, type-writer ribbon.....	14.05	
O'Hashi, H. & Co., Inc., carbon....	17.10	
Sullivan, Dan T., pencils, pens, etc..	13.14	
Wescott, L. W. Inc. pencils, paper etc.....	7.53	
	<hr/>	\$57.00
Credit: Pencils, paper, etc.....	26.69	
	<hr/>	\$30.31

## Supply Department—Continued

## Postage:

Bangor Post Office, stamps and stamped envelopes . . . . .	\$21.74	
Credit: Transferred to Other Departments . . . . .	14.93	
	<hr/>	\$6.81

## Office Furniture and Fixtures:

Sullivan, Dan T., Typewriter chair .	\$14.70
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## Germicide:

Frawley's Pharmacy . . . . .	\$3.45	
Warren, Ara . . . . .	1.25	
	<hr/>	\$4.70

Total general expenses . . . . .	\$914.10
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## Engineering:

## Salaries and Wages:

City Engineer . . . . .	\$1,550.00	
Assistants . . . . .	2,122.66	
Street Engineers . . . . .	150.00	
Street Sprinkling . . . . .	60.58	
	<hr/>	
Total salaries and wages . . . . .		\$3,883.24

## General Expenses:

## Office Supplies:

Bangor Co-Operative Ptg. Co., envelopes, etc. . . . .	\$26.25
Bangor Post Office, stamps . . . . .	1.00

**Engineering—Continued**

Hall, Edwin O., ink, paper, etc. . . .	3.35	
Sullivan, Dan T., carbon, pens, etc .	12.95	
Supply Dept., scratch pads, etc . .	1.22	
	<hr/>	\$44.77

**Telephone:**

New England Tel. & Tel. Co. . . . .	\$76.65
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**Compensation Insurance:**

Kirstein, Louis & Sons. . . . .	\$22.78
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**Street Signs:**

Cutter, Leslie W., signs. . . . .	\$16.65	
Hall, Edwin O., lettering brush. . . .	.30	
Haynes & Chalmers Co., paint, screws, etc. . . . .	3.88	
Ingram-Richardson Mfg. Co., signs.	100.80	
Maine Central R. R. Co., freight ..	2.11	
Northern Paint Co., paint. . . . .	7.75	
Pay roll. . . . .	183.50	
	<hr/>	\$314.99

**Traffic Regulations:**

American Railway Express Co., express. . . . .	\$7.00
Cutter, Leslie W., signs. . . . .	25.24
Dyer & Rounds, repairs. . . . .	15.45
Haynes & Chalmers Co., lanterns, wicks. . . . .	16.62
Marston, E. B. Sign Co., signs. . . .	17.25
Pay roll. . . . .	72.23

**Engineering—Continued**

Standard Oil Co., of New York, K.		
oil .....	18.31	
Traffic Sign & Signal Co., signs...	59.70	
	<hr/>	
	\$231.80	
Credit .....	19.25	
	<hr/>	
		\$212.55

**Engineering Supplies:**

Cannon & Co., maps .....	\$6.00	
Cutter, Leslie W., grading squares..	1.23	
Hall, Edwin O., field books .....	10.80	
Morse & Co., stakes .....	36.25	
Rice & Miller Co., rules .....	3.40	
Snow & Nealley Co., grading line..	.75	
Spaulding-Moss Co., litho prints ...	70.22	
Youngs, Gus A., plumb ball line...	1.00	
Taylor Instrument Companies,		
test thermometer .....	12.40	
	<hr/>	
		\$142.05

**Blue Prints:**

Great Northern Paper Co. ....	\$ .51
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**Photographic Supplies:**

Gerrity, J. F. & Co., printing and		
developing .....	\$1.09	
Hall, Edwin O., films .....	2.40	
	<hr/>	
		\$3.49

**All Other:**

Bangor Publishing Co., Adv. street		
closed .....	\$8.50	

**Engineering—Continued**

Bass, J. P. Pub. Co., advertising laying out streets.....	11.66	
Bragg, N. H. & Sons, steel.....	3.84	
Cutter, Leslie W., hat and coat tree.....	7.80	
Dunham-Hanson Co., tacks, brushes.....	.80	
Engineering News Record, sub- scription.....	5.00	
Grant, Asa T., horse shoeing.....	7.10	
Haynes & Chalmers Co., rope.....	1.83	
McGraw-Hill Book Co., books ....	9.50	
Nason, David J., car fares, March- June.....	18.13	
	<hr/>	\$74.16
Total general expenses.....		\$891.95

**Inspector of Buildings:**

Salary of Inspector.....	\$300.00
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**General Expenses:****City Hall:**

Hines, M. F., labor.....	\$172.00
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**City Stables:**

Cartier, M. N. & Sons Co., roofing..	\$41.65	
Finn, John B., roof repairs.....	14.92	
Hines, M. F., labor.....	33.50	
Maine Central R. R., freight on roofing.....	2.00	
Patten, L. P., carpenter repairs.....	1,907.65	
	<hr/>	\$1,999.72

## Inspector of Buildings—Continued

## Fire Station:

Arco Co., The, paint. . . . .	\$96.00
Bangor Gas Light Co., rep'g heater	5.30
Carter, R. E. & Co., welding. . . . .	2.00
Casey, Francis T., concreting and fixing lawn, Hose 5. . . . .	373.85
Clark, Frank J., plumbing repairs .	33.48
Dill, L. W., painting flag poles. . . . .	25.00
Dunham-Hanson Co., material for repairs. . . . .	13.80
Dunning, R. B. & Co., cleanouts . . .	2.50
Dyer & Rounds, plumbing repairs .	27.34
Fairbanks Bros., plumbing repairs. .	60.54
Haynes & Chalmers Co., glass, putty. . . . .	1.46
Hines, M. F., labor. . . . .	90.00
Lewis, H. R. & Co., repairs to fur- nace. . . . .	33.75
Lynch, M. & Co., repairs to locks. . .	2.50
Maine Central R. R., freight on paint. . . . .	1.90
Patten, L. P., carpenter repairs. . . . .	693.54
Rice & Miller Co., material for repairs. . . . .	12.02
Tucker, Frank E., lumber and labor	2.25
Ward, John M., putting in coal window. . . . .	9.41
Woodman, C. Co., lumber. . . . .	17.85
	<hr/>
	\$1,504.49

## Electric Station:

Dyer & Rounds, plumbing repairs .	\$7.71
Hines, M. F., labor. . . . .	117.50
Patten, L. P., carpenter repairs . .	515.89

## Inspector of Buildings—Continued

Rice & Miller Co., glass . . . . .	1.29	
Ward, John M., mason repairs . . .	10.36	
	<hr/>	\$652.75

## Almshouse:

Bangor Cast Stone Products Co., labor on litter carrier . . . . .	\$9.80	
Bangor Publishing Co., advertising barn for sale . . . . .	4.28	
Bass, J. P. Publishing Co., adver- tising barn for sale . . . . .	2.00	
Dole Co., The, electrical repairs . . .	27.99	
Dunning, R. B. & Co., hardware . .	5.69	
Dyer & Rounds, plumbing repairs .	210.50	
Dunning, R. B. & Co., couplings . .	.95	
Finn, John B., roof repairs . . . . .	81.70	
Gorham, W. H. Co., The, painting and papering . . . . .	144.61	
Patten, L. P., carpenter repairs . . .	384.57	
Union Iron Works, boiler repairs . .	440.39	
United States Rubber Co., hose . . .	25.00	
Ward, John M., mason repairs . . .	59.70	
Welch, C. E., repairs . . . . .	12.43	
Woodworth, H. H., repairing pump .	137.77	
	<hr/>	\$1,547.38

## Pumps:

American Railway Express Co., ex- press on water . . . . .	\$1.08
Babb, C. H. & Co., repairs . . . . .	23.50
Carter, Ralph E. & Co., pump hand- les, welding . . . . .	8.30
Dunning, R. B. & Co., repairs for pumps . . . . .	32.83

## Inspector of Buildings—Continued

Hines, M. F., labor, trucking . . . .	396.86	
Mason, John & Son, repairs . . . . .	8.00	
Towle, J. N. & Co., salt . . . . .	.85	
Woodman, C. Co., lumber . . . . .	3.15	
	<hr/>	\$474.57

## Court Street Building:

Dyer & Rounds, plumbing repairs .	68.84	
Hines, M. F., labor . . . . .	27.50	
Reid, Geo. W., fence . . . . .	10.60	
	<hr/>	\$106.94

## Ward Rooms:

Hines, M. F., labor . . . . .	\$92.50	
Patten, L. P., carpenter repairs . . . .	284.00	
Rice & Miller, paint . . . . .	8.30	
	<hr/>	\$384.80

## Pest House:

Bass, J. P. Pub. Co., advertising repairs . . . . .	\$2.00	
Dyer & Rounds, plumbing repairs .	46.86	
Hines, M. F., labor . . . . .	10.00	
Morse, F. S., labor and material . .	700.00	
	<hr/>	\$758.86

## General:

Bradbury, C. E., hauling cinders . .	15.00	
Bragg, N. H. & Sons, drills, bolts, etc . . . . .	.99	
Dunham-Hanson Co., putty, cord, etc . . . . .	3.45	



**Inspector of Buildings—Continued**

Haynes & Chalmers Co., repairs for band stand, etc. ....	1.58	
Hines, M. F., labor on band stand gates, etc. ....	40.50	
Morse, F. S., band stand. ....	14.45	
Rice & Miller Co., paint, etc. ....	19.43	
Supply Dept., requisition book. ....	.32	
	<hr/>	\$95.72
Total general expenses. ....		<hr/> \$7,697.23

**Election and Registration:****Salaries and Wages:****Board of Registration:**

Brennan, Michael J. ....	\$550.00	
Gleszer, Edward I. ....	1,188.00	
Kelley, Thomas A. ....	1,136.00	
Southard, Wm. E. ....	995.00	
	<hr/>	\$3,869.00
Election Officers. ....		395.00

**Clerk:**

Brennan, G. G. ....	\$85.00	
Brett, Victor. ....	93.00	
	<hr/>	\$178.00

Total salaries and wages. .... \$4,442.00

**General Expenses:****Supplies:**

Brett, Victor, rubber stamp. ....	\$ .50
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## Election and Registration—Continued .

Cannon & Co., directory.....	3.00	
Portland Directory Co., Maine		
Register.....	3.00	
Sullivan, Dan T., pens.....	2.35	
	<hr/>	\$8.85

## Printing:

Bass, J. P Pub. Co., ward check		
lists, cards, etc.....	\$86.50	
Glass, Chas. H. Co., ballots.....	106.10	
	<hr/>	\$192.60

## Cleaning Ward Rooms:

Atwood, H. W., Ward 2.....	\$10.00	
Hines, M. F., Wards 1 and 4.....	20.00	
Kerr, John H., Ward 7.....	10.00	
Sargent, A. W., Ward 3.....	10.00	
Shaw, Geo., Ward 5.....	10.00	
	<hr/>	\$60.00

## Making Up Lists:

Brett, Victor.....	\$84.00
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## Advertising:

Bangor Publishing Co.....	\$140.39	
Bass, J. P. Publishing Co.....	132.50	
	<hr/>	\$272.89

## Rent:

Morse, Chas. W., Ward 6.....	\$25.00	
Swett & Mullen, Ward 6.....	50.00	
	<hr/>	\$75.00

## Election and Registration—Continued

## All Other:

Derby, G. B. Co., sawdust and trucking.....	\$1.45	
Dillingham's, binding voting list...	2.00	
Underwood Typewriter Co., rent of typewriter.....	6.00	
	<hr/>	\$9.45
Total general expenses.....		\$859.08

## City Hall:

## Salaries and Wages:

Janitors.....	\$3,583.50	
Cleaners.....	541.25	
	<hr/>	
Total salaries and wages.....		\$4,124.75

## General Expenses:

## Light:

Bangor Gas Light Co.....	\$170.88
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## Fuel:

Bacon & Robinson Co., coal.....	\$102.21	
Connor Coal & Wood Co., wood...	9.00	
Stickney & Babcock Coal Co., coal.	1,578.77	
Wood from Sterns Mills.....	11.00	
	<hr/>	\$1,700.98

## City Hall—Continued

## Moving Seats:

Pay Roll.....	\$249.55	
Credit.....	90.00	
	<hr/>	\$159.55

## Telephone:

New England Tel. & Tel. Co.....	\$41.20
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## Supplies:

Adams Dry Goods Co., bunting...	\$8.90
American Express Co., express.....	8.39
Andrews Paper Co., drinking cups..	187.00
Bangor Broom Co., brooms.....	9.80
Bangor Cigar Mfg. Co., flag.....	18.00
Bangor Cleaning Co., dustbane, brush.....	12.50
Bangor Gas Light Co., mantles, chimneys.....	6.36
Bangor Stoneware Co., stone jugs ..	4.00
Bowdlear, The W. H. Co., floor wax.....	34.20
Columbia Towel Supply Co., towels	42.60
Dolge Co., disinfectant soap.....	13.75
Dunham-Hanson Co., cleaner, bas- kets, etc.....	43.59
Dunning, R. B. & Co., waste, pails, etc.....	13.80
Eastern Builders Assn., water coolers, pails.....	11.73
Eastern Steamship Corp. freight ...	2.56
Fire Dept., mops.....	3.90
Getchell Bros., ice.....	155.00

## City Hall—Continued

Hayner, Norman Co., oiler heads . . .	3.00	
Haynes & Chalmers Co., water cooler . . . . .	13.72	
Johnson, Geo. T. Co., toilet paper . .	51.00	
Lewis, H. R. & Co., wash boiler . . .	3.00	
Lewis, Samuel, mops, oil, etc. . . . .	24.51	
Maine Central R. R. freight . . . . .	2.41	
Masury Young Co., nodusto . . . . .	70.20	
Morse & Co., floor brush . . . . .	17.50	
Otis Elevator Co., guide grease . . .	2.00	
Stewart, Chas. M., decorating material . . . . .	160.00	
Sweet, Caldwell Co., feather duster, etc. . . . .	6.60	
Thurston & Kingsbury Co., water bottle, ice tongs . . . . .	.60	
Vose, P. H. Co., water bottle, etc. . .	1.85	
Wood & Bishop Co., ash barrels . . .	14.85	
	<hr/>	
	\$947.32	
Credit: Drinking cups . . . . .	1.75	
	<hr/>	
		\$945.57

## Repairs:

Andrews Music House, repairs to piano, tuning . . . . .	\$11.25
Atkins Bros., painting . . . . .	1,576.31
Bangor Gas Light Co., lamps, repairs . . . . .	130.45
Bangor Window Shade Co., cord, etc. . . . .	9.50
Berry & Smith, repairing flag, etc. . .	3.75
Bragg, N. H. & Sons, bolts, washers .	.56
Chandler & Co., repairing furniture .	65.67

## City Hall—Continued

Conners, D. A., painting and lettering directory board, doors . . . . .	91.50
Dickey, W. P. & Co., putty knife, cord . . . . .	1.83
Dole Co., The, installing lights, repairs . . . . .	572.61
Dunham-Hanson Co., material for repairs . . . . .	107.15
Dunning, R. B. & Co., gaskets . . . . .	2.90
Dyer & Rounds, plumbing repairs . . . . .	310.47
Eldridge, Fred E. Co., repairs . . . . .	26.66
Electric Dept., lamps, electrical repairs . . . . .	801.75
Emerson, J. S., repairing brick work . . . . .	121.10
Fairbanks Bros., labor on roof . . . . .	10.28
Graffam, W. L., et als. cleaning out gutters . . . . .	5.00
Haynes & Chalmers Co., putty knife . . . . .	.50
Johnson, The Geo. T. Co., toilet fixtures . . . . .	1.50
Lewis, H. R. & Co., repairing wash boiler . . . . .	.85
Lynch, M. & Co., repairing locks, keys . . . . .	8.10
Maine Central R. R., freight . . . . .	9.11
Maine Plumbing Co., heating and plumbing repairs . . . . .	861.92
Morse & Co., wheel for City Hall bell, glue, etc . . . . .	28.29
Morse, F. S., repairs to bell . . . . .	42.47
Otis Elevator Co., repairs to elevator . . . . .	20.41
Patten, L. P., carpenter repairs . . . . .	92.55
Pfaff, Adolf, repairing clock . . . . .	1.50
Reid, Geo. W., carpenter repairs . . . . .	353.35

**City Hall—Continued**

Rice & Miller Co., material for repairs.....	27.69	
Rimback, Geo., making wheel for City Hall bell.....	7.50	
Schwartz, M. Sons, leather belt and lacing.....	1.70	
Smith & West, heater, electrical repairs.....	11.65	
Tibbetts, D. G., carpenter repairs ..	34.12	
Union Iron Works, repairing elevator and boiler.....	156.76	
Valley Iron Works, grates.....	168.75	
Ward, John M., mason repairs.....	10.94	
Wheelden-Bowden Co., repairing lights.....	1.13	
Wood & Bishop Co., soldering, bolts	2.70	
	<hr/>	
	\$5,692.23	
Credit: Piping in old heating system; electric fixtures.....	113.50	
	<hr/>	
		\$5,578.73

**Insurance:**

Tyler, L. C. & Sons Co., Inc.....	\$31.18
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**Cleaning Public Toilet:**

Hart, Burton A.....	\$291.00
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**Piano and Furniture:**

Chandler & Co., chairs.....	\$55.50	
Davis, C. A. Co., piano.....	250.00	
Donovan, T. G., piano stool.....	4.00	
	<hr/>	
		\$309.50

**City Hall—Continued****All Other:**

Bangor Cleaning Co., cleaning rugs .	\$1.50	
Bangor Pub. Co., advertising bids for painting . . . . .	10.35	
Bass, J. P. Pub. Co., advertising bids for painting . . . . .	9.50	
Conners, Daniel A., sign, lettering .	9.80	
Derby, G. B. Co., trucking . . . . .	3.00	
Dunham-Hanson Co., hooks, wire .	1.00	
Gerrity, J. F. & Co., plates for por- traits . . . . .	3.50	
Graffam, W. L., et als., decorating, removing ice from gutters . . . .	36.00	
Otis Elevator Co., inspecting eleva- tor . . . . .	14.65	
Patten, L. P., putting on outside doors and windows . . . . .	40.90	
Snow & Nealley Co., rope . . . . .	5.11	
Stewart, Chas. M., superintending decorating . . . . .	15.00	
Tucker, Frank E., shelf, ladders for vault . . . . .	8.50	
	<hr/>	\$158.81
Total general expenses . . . . .		\$9,387.40

**Truant Officer:**

Salary . . . . .	\$500.00
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## PROTECTION OF PERSONS AND PROPERTY

## Police Department:

## Salaries and Wages:

Chief.....		\$1,539.59
Deputy Chief.....	\$1,255.74	
Bonus.....	25.00	
	<hr/>	\$1,280.74
Inspector.....	\$1,329.25	
Bonus.....	25.00	
	<hr/>	\$1,354.25
Captains.....	\$2,589.99	
Bonus.....	50.00	
	<hr/>	\$2,639.99
Sergeants.....	\$2,392.85	
Bonus.....	50.00	
	<hr/>	\$2,442.85
Auto Drivers.....	\$2,702.37	
Bonus.....	50.00	
	<hr/>	\$2,752.37
Patrolmen.....	\$29,299.35	
Bonus.....	600.00	
	<hr/>	\$29,899.35
Specials.....	\$2,585.99	
Bonus.....	50.00	
	<hr/>	\$2,635.99
	<hr/>	
Total salaries and wages.....		\$44,545.13

## Police Department—Continued

## Auto Patrol Maintenance:

## Gasoline:

Bangor Motor Co.....	\$117.65	
Highway Dept.....	120.51	
	<hr/>	\$238.16

## Repairs:

Bangor Motor Co.....	\$217.55	
	<hr/>	\$217.55

## Tires and Tubes:

Bangor Motor Co.....	\$304.57
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## Supplies:

Bangor Motor Co., alcohol, grease..	\$19.33	
Dunham-Hanson Co., oil.....	21.45	
	<hr/>	\$40.78

## Use of Auto:

Bangor Motor Co.....	\$81.00
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Total Auto Patrol Maintenance.....	\$882.06
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## Equipment and Repairs:

## Equipment Renewals:

Evans, D. & Co., police buttons....	\$10.13
Gamewell Fire Alarm Tel. Co., Register paper.....	43.20
Haynes & Chalmers Co., chamois..	1.47
Hodgkins & Fiske Co., linoleum....	4.00

**Police Department—Continued**

Lewis, H. R. & Co., pails . . . . .	10.80	
Miller & Webster Clothing Co., caps, etc. . . . .	199.61	
Sullivan, Dan T., file . . . . .	.88	
Thurston & Kingsbury Co., twist- ers . . . . .	5.10	
	<hr/>	
	\$275.19	
Credit: Pails . . . . .	2.00	
	<hr/>	
		\$273.19

**Repairs:**

Brown & White Co., batteries, bulbs, etc. . . . .	\$90.78	
Dole Co., The, batteries . . . . .	22.40	
Haynes & Chalmers Co., hooks, line . . . . .	3.04	
Pol, Bernhard, repairing recording clock . . . . .	1.50	
Wheelden-Bowden Co., batteries . . .	23.29	
Willard Storage Battery Service Station, electrolyte . . . . .	3.00	
	<hr/>	
		\$144.01

Total equipment and repairs		\$417.20
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**Pensions:**

Bowen, John C. . . . .	\$366.00	
Davis, Thomas A. . . . .	366.00	
Jordan, Mrs. F. C. . . . .	172.00	
	<hr/>	
		\$904.00

Total pensions . . . . .		\$904.00
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## Police Department—Continued

## Other Expenses:

## Supplies:

American Railway Express Co. express.....	\$4.70	
Cannon & Co., directories.....	6.00	
Dillingham's, records, ink, etc.....	12.90	
Dunham-Hanson Co., plate glass ..	3.50	
Gamewell Fire Alarm Tel. Co., register paper.....	41.76	
Getchell Bros., ice.....	107.36	
Glass, Chas H. Co., pads.....	5.40	
Jones, F. L. Co., crackers.....	40.00	
Portland Directory Co., Maine Register.....	3.00	
Staples & Griffin, matches, soap, etc.....	6.19	
Supply Dept., requisition book....	.32	
		<hr/>
		\$231.13

## Laundry:

Bangor Steam Laundry.....	\$19.31
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## Telephone:

New England Tel. & Tel. Co.....	\$84.60
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## Electric Signals

Bangor Railway & Electric Co ....	\$43.20
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## Expenses on Trips Out of City:

Conners, James A.....	\$13.47
Gilman, L. W.....	21.59
Mahoney, John.....	15.14

**Police Department:—Continued**

O'Donohue, Thomas E.....	7.87	
Phillips, Ambrose L.....	66.45	
Powers, A. A.....	5.37	
Rogan, Frank J.....	13.92	
Rogers, Timothy.....	13.38	
Rowe, Emery A.....	28.44	
Veilleux, Dolor J.....	5.37	
	<hr/>	\$191.00

**Medical Attendance:**

Edmunds, C. D., M. D.....	\$6.00	
Milliken, H. J., M. D.....	40.00	
Osgood, H. W., M. D.....	8.00	
Robinson, H. L., M. D.....	3.00	
Sanger, Eugene B., M. D.....	15.00	
Scribner, H. C., M. D.....	3.00	
Taylor, C. J., M. D.....	23.00	
	<hr/>	\$98.00

**Insurance:**

Boyd, J. Herbert.....	\$37.50	
Somers, L. W., Co.....	194.40	
	<hr/>	\$231.90

**Printing:**

Burr, T. W., Ptg. & Adv. Co.....	\$62.25
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**Repairs to Police Signal:**

Electric Dept.....	\$125.98
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**All Other:**

Ball, Frank O., auto licenses.....	\$10.00
Bass, J. P. Pub. Co., advertising bicycle notice.....	2.00

**Police Department—Continued**

Bogige, Geo. auto hire.....	1.00	
Dunham-Hanson Co., fish hooks .	.50	
Hutchings, I. M., Reps. on badges.	.75	
Mahoney, John W., use of auto ...	20.00	
Powers, A. A., express.....	4.81	
Wardwell, Frank W., list of auto Registrations.....	10.00	
	<hr/>	
	\$49.06	
Credit.....	5.00	
	<hr/>	
		\$44.06
		<hr/>
Total other expenses.....		\$1,132.03

**Fire Department:****Salaries and Wages:**

Chief.....	\$1,200.00	
Day Men.....	\$31,457.50	
Bonus.....	725.00	
	<hr/>	
		\$32,182.50
Night Men.....	960.00	
Call Men.....	10,613.73	
	<hr/>	
Total salaries and wages.....		\$44,956.23

**Horses and Care of Same:****Hay, Straw, Shavings:**

Applebee, J. G., hay.....	\$52.71
Bangor Railway & Electric Co., freight on straw.....	13.38
Brown, L. M., hay.....	27.70
Burrill, E. W., hay, straw.....	25.79

**Fire Department—Continued**

Charity Dept., hay.....	81.53	
Chute, W. F., straw.....	62.28	
Cogle, F. W., straw.....	32.72	
Creamer, Horace, hay.....	22.33	
Drew, Henry, hay.....	29.72	
Dysart, E. M., hay.....	91.12	
Eastern Maine State Fair, straw...	67.20	
Hamm, C. H., hay.....	72.10	
Hookson, G. H., hay.....	28.13	
Humphrey, Geo. K., hay.....	18.55	
Jewell, L. M., hay.....	19.86	
Lawson-Spinney Co., hay, shavings.	971.40	
Moor, Geo. L. & Son, hay.....	173.96	
Morrison, A. A., hay.....	41.54	
Morse, Chas. W., straw.....	90.90	
Rich, Frank A., hay.....	55.75	
Smart, Fred G., hay.....	28.55	
Webber, T. R., hay.....	145.94	
Webster, John P., hay.....	19.99	
Worster, Geo. W., straw.....	87.21	
	<hr/>	
	\$2,260.36	
Credit: Use and care of horse.....	200.00	
	<hr/>	
		\$2,060.36

**Grain:**

Bangor Farmers' Union.....	\$13.75	
Eastern Grain Co. ....	1,675.35	
Milliken, James Co.....	239.75	
	<hr/>	
		\$1,928.85

**Horse Shoeing:**

Grant, Asa T.....	\$251.13	
McKenney, E. & Son.....	7.65	

**Fire Department—Continued**

Smith & Leighton . . . . .	258.70	
White & Winchester . . . . .	163.50	
	<hr/>	\$680.98

**Veterinary:**

Murch, Alfred L., M. D. V . . . . .		\$21.50
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**Prescription:**

Curtis & Tupper . . . . .	\$11.70	
Haynes & Chalmers Co. . . . .	.50	
Sweet, Caldwell Co. . . . .	14.25	
	<hr/>	\$26.45

**Teams:**

Jordan, Loren S. . . . .	\$115.00	
Ross, William . . . . .	115.00	
	<hr/>	\$230.00

**All Other:**

Bangor Pub. Co., advertising sale of horses . . . . .	\$2.55	
Bass, J. P. Pub. Co., advertising sale of horses . . . . .	.60	
Parkhurst, J. F. & Son Co., roto salt, etc. . . . .	6.25	
Snow & Nealley Co., fly spray . . . . .	.90	
Thurston-Kingsbury Co., salt . . . . .	6.50	
Utterback-Gleason Co., Inc., salt cakes, soap . . . . .	14.00	
	<hr/>	\$30.80
Credit: Dressing . . . . .	25.00	
	<hr/>	\$5.80

Total horses and care of same.

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\$4,953.94



**Fire Department—Continued****Fuel and Light:****Fuel:**

Bacon & Robinson Co., coal . . . . .	\$232.09	
Eastern Fuel Co., wood . . . . .	14.50	
Hincks Coal Co., coal . . . . .	468.10	
Stickney & Babcock Coal Co., coal . . . . .	2,331.25	
	<hr/>	
	\$3,045.94	
Credit : Steamer coal . . . . .	62.00	
	<hr/>	\$2,983.94

**Light:**

Bangor Gas Light Co., gas . . . . .	\$213.19	
Standard Oil Co., of New York, K. oil . . . . .	56.33	
	<hr/>	\$269.52

. Total fuel and light . . . . . \$3,253.46

**Auto Apparatus Maintenance:****Gasoline:**

Gallagher Bros. . . . .	\$1.16	
Knowles & Dow Co. . . . .	4.35	
Standard Oil Co. of N. Y. . . . .	278.80	
	<hr/>	\$284.31

**Supplies:**

Bangor Motor Co., oil, grease . . . . .	\$16.40	
Murray Bros. Co., oil . . . . .	4.00	
Vacuum Oil Co., oil . . . . .	65.25	
	<hr/>	\$85.65

## Fire Department—Continued

## Repairs:

Bangor Motor Co. ....	\$62.09
Johnson, Chas. E. ....	300.69
Knowles & Dow Co. ....	425.45
Smith, R. J. ....	6.00
White Co., The. ....	13.14

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 \$807.37

Credit: Damage to Chief's car ...	15.00
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\$792.37

## Tires, Tubes:

Bangor Motor Co. ....	\$345.04
United States Tire Co. ....	3.80

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 \$348.84

## Rent of Car:

Bangor Motor Co. ....	\$72.00
Knowles & Dow Co. ....	50.00

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 \$122.00

## All Other:

Johnson, Chas. E., inspecting Sea-graves' truck. ....	
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 4.50

Total auto apparatus maintenance .	
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\$1,637.67

## Repairs and Renewals of Equipment:

## Equipment Renewals:

Adams Dry Goods Co., puffs, sheets, etc. ....	90.29
American LaFrance Fire Engine Co., mask. ....	20.00
American Railway Express Co., express. ....	1.37

**Fire Department—Continued**

Boston Uniform Cap Co., caps. . . . .	61.95
Bragg, N. H. & Sons, hack saws. . . . .	1.20
Childs, O. J. Co., fire extinguishers	50.00
Day, H. L. Sons & Co., mattresses . .	7.00
Dugan, P. T. & Co., brushes, etc. . . .	9.20
Dunham-Hanson Co., hose, snow shovels. . . . .	20.50
Dunning, R. B. & Co., pails. . . . .	5.13
Eastern Steamship Corp., freight. . .	.67
Ellis, M. F. & Co., mops. . . . .	28.75
Hardy, J. M., fire coats, lanterns, etc. . . . .	144.25
Haynes & Chalmers Co., hose, sprayer, etc. . . . .	9.55
Kress, O. F. & Son, Eastman Deluge set. . . . .	160.00
Lauterstein, Lewis I., gas mask. . . .	6.00
Miller & Webster Clothing Co., caps. . . . .	25.20
Parkhurst, J. F. & Son Co., whips, bits. . . . .	8.92
Schwartz, M. Sons, hose and waste .	35.43
Snow & Nealley Co., rope. . . . .	7.22
Thurston & Kingsbury Co., brooms.	10.75
United States Rubber Co., hydrant gates and shut-off nozzle. . . . .	33.84
Utterback-Gleason Co., harness re- newals. . . . .	27.87
Winsor, Alfred & Son, fire extin- guishers. . . . .	18.00
Wood & Bishop Co., tunnel. . . . .	.35

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 \$783.44

Credit: Rubber coats, sale of old hose. . . . .	27.58
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 \$755.86

## Fire Department—Continued

## Repairs:

American LaFrance Fire Engine Co., grates for fire engines . . .	\$37.71
Bachelder, J. & Co., harness repairs . . . . .	96.66
Bangor Motor Co., cement . . . . .	.10
Boston Coupling Co., repairing hose . . . . .	9.90
Bragg, N. H. & Sons, material for repairs . . . . .	17.96
Carter, Ralph E. & Co., welding . . .	2.50
Cohen, Max, searchlight battery . .	3.10
Conant, C. M. Co., clipper plates . .	5.30
Cushing Shoe Rep'g Co., repairing rubber coats . . . . .	9.30
Dole Co., The, lamps, bulbs, etc. . .	2.71
Dunham-Hanson Co., material for repairs . . . . .	31.02
Dunning, R. B. & Co., material for repairs . . . . .	7.91
Earle, Frank W., repairing badges . .	2.40
Electrical Dept., electrical repairs . .	59.21
Hardy, J. M., handles for Larkin nozzle . . . . .	6.50
Heal, L. G., repairing carts . . . . .	22.25
Larkin Mfg. Co., shut-off nozzle, bars . . . . .	20.59
Mason, John & Son, repairs to carts and truck . . . . .	200.60
Rice & Miller Co., paint, lead, etc . .	14.01
Shannon, M., repairs to carts . . . . .	63.62
Shtrachman, Barney, repairs to sleds, etc. . . . .	28.25
Smith, Geo. W., repairs to steamer .	42.83

**Fire Department—Continued**

Smith, R. J., recover roadster top .	25.00	
Union Iron Works, repairs to trucks	21.74	
Utterback-Gleason Co., repairs to harness.....	22.40	
	<hr/>	\$752.57

**New Equipment:**

United States Rubber Co., hose . . .	\$950.00
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**All Other:**

American Railway Express Co., express.....	\$1.79	
Maine Central R. R. Co., freight . . .	1.71	
Snow & Nealley Co., cable, lath, yarn.....	5.48	
Parkhurst, J. F. & Son Co., axle grease.....	2.00	
	<hr/>	\$10.98

Total repairs and renewals of equipment.....	\$2,469.41
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**Other Expenses:****Laundry:**

Bangor Steam Laundry.....	\$105.37	
Columbia Towel Supply Co.....	81.00	
New Franklin Laundry.....	105.34	
	<hr/>	\$291.71

**Fire Department—Continued****Telephone:**

New England Tel. & Tel. Co.....	\$323.49
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**Insurance:**

Baker & Hodge.....	\$51.60
Boyd, J. Herbert.....	11.20
Kirstein, Louis & Sons.....	17.20
McClure, J. W. & Son.....	34.40
Mullen, Chas. C.....	90.00
Palmer, W. W.....	4.23
Somers, L. W. Co.....	10.00
	<hr/>
	\$218.63

**Ice:**

Citizens Ice Co.....	\$32.50
Getchell Bros.....	162.55
	<hr/>
	\$195.05

**Repairs:**

Berry & Smith, repairing flag.....	\$.50
Dole Co., The, bulb.....	.27
Dunham-Hanson Co., sash cloth, emery bulb.....	1.88
	<hr/>
	\$2.65

**Supplies:**

American Railway Express Co., express.....	\$1.80
Atkins Bros., alcohol.....	.30
Bangor Cleaning Co., dustbane....	4.00
Bloch, Emil G. Co., chamois.....	38.50
Bloch, Joseph, sponges.....	37.50

**Fire Department—Continued**

Burr, T. W., Ptg. & Adv. Co., Ptg. Licenses, gunpowder and ex- plosives.....	3.90	
Cannon & Co., directory.....	3.00	
Dolge, C. B. Co., Disinfectant, soap powder.....	49.55	
Dunham-Hanson Co., mop handles, engine oil.....	12.75	
Dunning, R. B. & Co., basket, spit- toons.....	5.82	
Eastern Steamship Corp., freight...	3.98	
Ellis, M. F. & Co., toilet paper.....	12.00	
Maine Central R. R., freight.....	1.05	
Murray Bros., oil.....	3.75	
New York Assn. for the Blind, brooms.....	17.25	
Parkhurst, J. F. & Son Co., hooks, thread.....	1.77	
Sullivan, Dan T., paper, typewriter ribbons.....	2.06	
Sweet, Caldwell, sulfuric acid, etc...	27.35	
Thurston & Kingsbury Co., soda, soap, etc.....	98.57	
West Disinfecting Co., Disinfect- ants.....	248.15	
	<hr/>	
	\$573.05	
Credit: Mops.....	3.90	
	<hr/>	
		\$569.15

**Expenses Out of City:**

Gullifer, John T., white factory ....	\$96.52
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**Fire Department:—Continued****All Other:**

American Railway Express Co., express.....	\$1.08
Atlantic Express Co., express. ....	.69
Bass, J. P. Pub. Co., advertising bids for auto.....	2.50
Bangor Pub. Co., advertising bids for auto.....	2.85
Frost, H. I., hauling hose to Central St.....	2.50
Johnson Chas. E., inspecting Seagrave's truck and making report.....	5.00
Mason, W. S., expenses to Bath....	25.57
Patten, L. P., covering reservoir....	10.74
State of Maine, auto licenses.....	26.00
Supply Dept., Requisition books...	.64
	<hr/>
	\$77.57

Total other expenses..... \$1,774.77

**Militia:****Maintenance of Armory and Rent:****Rent:**

Bailey, Taber D. & Herbert J. Banton.....	\$943.42
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**Lamps:**

Electric Department.....	\$2.80
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Total maintenance of Armory and Rent..... \$946.22



**Other Protection of Persons and Property:****Sheep Killed by Dogs:**

Clark, Geo. H. ....	\$22.50	
Frost, H. I. ....	22.50	
Hewes, Perley. ....	345.00	
Leslie, Samuel C. ....	225.00	
Mitchell, R. H. ....	22.50	
Sanford, A. G. ....	22.50	
Shannon, M. ....	22.50	
	<hr/>	\$682.50

**Chickens Killed by Dogs:**

Eveleth, Andrew L. ....	\$18.00	
	<hr/>	

Total sheep killed by dogs. .... \$700.50

**Dog Officer:**

Goldthwait, John. ....	\$100.00
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## HEALTH AND SANITATION

## Health:

Salaries of Board..... \$600.00

## Vital Statistics.

## Birth Certificates:

Brett, Victor.....	\$74.40
Bryant, Bertram L., M. D.....	6.75
Caulfield, Geo. B., M. D.....	18.75
Cox, J. F., M. D.....	14.00
Edmunds, C. D., M. D.....	5.50
Francke, P. F., M. D.....	.25
King, H. A., M. D.....	13.50
Mason, L. S., M. D.....	26.50
Nealley, Everett T., M. D.....	1.00
Nickerson, Norman H., M. D.....	1.50
Osgood, H. W., M. D.....	5.25
Sampson, H. W., M. D.....	2.25
Sanger, Eugene B., M. D.....	3.25
Schrivver, A. H., M. D.....	6.25
Starrett, J. F., M. D.....	11.50
Taylor, C. J., M. D.....	1.50
	<hr/>
	\$192.15

## Death Certificates:

Ames, J. D., M. D.....	\$9.00
Brett, Victor.....	76.65
Bryant, Bertram L., M. D.....	1.25
Caulfield, Geo. B., M. D.....	7.75
Cox, J. F., M. D.....	4.00

**Health—Continued**

Edmunds, C. D., M. D. ....	3.25	
Francke, P. F., M. D. ....	4.75	
Janjizian, R. R., M. D. ....	2.25	
King, H. A., M. D. ....	7.50	
Mason, L. S., M. D. ....	9.00	
Nealley, Everett T., M. D. ....	7.75	
Nickerson, Norman H., M. D. ....	8.00	
Norris, L. F., M. D. ....	8.00	
Osgood, H. W., M. D. ....	3.00	
Sampson, H. W., M. D. ....	4.75	
Schriver, A. H., M. D. ....	2.00	
Starrett, J. F., M. D. ....	4.75	
Taylor, C. J., M. D. ....	3.25	
		<hr/>
		\$166.90

**Marriage Certificates:**

Brett, Victor. ....	\$65.40	
Brown, Rev. B. P. ....	8.00	
Cousins, Rev. E. M. ....	1.50	
Genge, Rev. W. Quinton. ....	6.25	
Morris, Rev. Albert E. ....	3.00	
Pendleton, Rev. J. S. ....	4.75	
Smith, Rev. Ashley A. ....	12.25	
		<hr/>
		\$101.15

**Copying Burial Records:**

Hathorn, R. E. ....	\$15.00
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**Insane Case:**

Nealley, Everett T., M. D. ....	\$3.00
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Total vital statistics. ....	<hr/>	\$478.20
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**Health—Continued****General Expenses:****Supplies:**

East Side Pharmacy, vaccine, anti-toxin.....	\$72.87	
Sweet, Caldwell Co., antitoxin.....	78.57	
Trainor, W. H., antitoxin.....	39.10	
	<hr/>	\$190.54

**Vaccinating:**

Robinson, H. L., M. D.....	\$22.00
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**Disinfectants:**

Curtis & Tupper, formaldehyde....	\$19.75	
East Side Pharmacy, formaldehyde.	36.90	
Sweet, Caldwell, formaldehyde, chloride of lime, etc.....	62.50	
	<hr/>	\$119.15

**All Other:**

American Railway Express Co., express on water.....	\$ .69	
Bangor Co-Operative Ptg. Co., Plumbers permits.....	4.00	
Brown & White Co., flashlight....	2.05	
Crosby, S. L. Co., battery.....	.40	
Furbush Printing Co., The, ptg. plumbers blanks.....	9.60	
Robinson, H. L., M. D., Professional services.....	11.00	
Supply Dept., Requisition book....	.32	
	<hr/>	\$28.06

Credit: Board and nursing of Her- bert Kingston at Pest House...	\$359.75	
	125.00	
	<hr/>	

Total general expenses.....		\$234.75
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**Health—Continued****Inspector of Milk:**

Salary .....	\$300.00
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**Inspector of Plumbing:**

Salary .....	\$1,056.00
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**Sanitation:****General Administration:****Superintendent:**

Salary .....	\$1,200.00
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**Salary of Board:**

Donovan, Timothy H. ....	\$50.00
Watson, Ira P. ....	50.00
Youngs, Frank O. ....	50.00
	<hr/>
	\$150.00

Total general administration ..	\$1,350.00
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**Sewer Maintenance:**

Salaries and Wages .....	\$2,563.40
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**Material and Supplies:**

Babb, C. H. & Co., valves .....	\$19.00
Brooks Brick Co., brick .....	28.50
Crossman, W. B., wood .....	7.00
Dunning, R. B. & Co., pipe .....	4.49

## Sewer Maintenance—Continued

Eastern Cement Co., cement . . . . .	124.00	
Hopkins, A. R. Co., salt . . . . .	26.00	
Morse & Co., lumber, nails . . . . .	78.90	
Standard Oil Co. of New York, K.		
oil . . . . .	6.75	
Stickney & Babcock Coal Co., coal,		
charcoal . . . . .	24.80	
	<hr/>	
	\$319.44	
Credit: Cement . . . . .	113.40	
	<hr/>	\$206.04

## Equipment:

Dunham-Hanson Co., pickax hand-		
les, files, saws . . . . .	\$4.24	
Dunning, R. B. & Co., snow shov-		
els . . . . .	4.50	
	<hr/>	\$8.74

## Repairs to Equipment:

Electric Dept., dry cells . . . . .	\$3.48	
Highway Dept., repairs to sewer		
carts . . . . .	142.65	
Shannon, M., sharpening tools . . .	21.40	
Carter, Ralph E. & Co., welding		
casting . . . . .	5.00	
	<hr/>	\$172.53

## Sewer Pipe:

Conant, C. M. Co. . . . .	\$565.07	
Dunning, R. B. & Co. . . . .	5.02	
	<hr/>	
	\$570.09	
Credit . . . . .	586.23	
	<hr/>	\$16.14

**Sewer Maintenance—Continued**

## Insurance:

Higgins, Leon F., compensation insurance.....	\$373.61	
Lord, Henry & Co., on storehouse ..	14.17	
	<hr/>	
	\$387.78	
Credit: Compensation insurance ..	37.31	
	<hr/>	\$350.47

## Rubber Boots and Coats:

Adams Dry Goods Co., rubber coats.....	\$6.37	
Arnold, J. M Shoe Co., rubber boots.....	30.90	
Waterman, J. Co., rubber coats. . . .	19.00	
	<hr/>	\$56.27

## All Other:

Bangor Pub. Co., advertising for supplies.....	\$5.74	
Bass, J. P. Pub. Co., advertising for supplies.....	4.50	
Highway Dept., laying wood blocks in hole in Central St. . . .	47.38	
Lynch, M. & Co., keys.....	.70	
Hughes, Martin H., trucking.....	15.00	
	<hr/>	\$73.32

Total sewer maintenance.....	<hr/>	\$3,414.63
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**Catch Basin Maintenance:**

Salaries and Wages.....	\$6,053.20
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## Catch Basin Maintenance—Continued

## Supplies:

Bangor Cast Stone Products Co., sand.....	\$2.54	
Brooks Brick Co., brick.....	39.50	
Penobscot Foundry Co., castings, sewer tops.....	93.05	
Standard Oil Co., of New York, K. oil.....	34.00	
Union Iron Works, cesspool grate..	5.00	
	<hr/>	\$174.09

## Equipment:

Bond, Harold L. Co., pails.....	\$27.30	
Bragg, N. H. & Sons, shovels.....	2.70	
Dunham-Hanson Co., shovels.....	5.00	
Maine Central R. R. Co., freight on pails.....	1.34	
	<hr/>	\$36.34

## Rubber Boots and Coats:

Adams Dry Goods Co., rubber coats and hats.....	\$27.23	
Arnold, J. M. Shoe Co., rubber boots.....	22.47	
Fire Dept., rubber coats.....	14.40	
Sawyer Boot & Shoe Co., rubber boots.....	4.34	
Waterman, J. Co., rubber hats.....	2.00	
	<hr/>	\$70.44

## Equipment Repairs:

Babb, C. H. & Co., repairs to dump cart.....	\$22.62	
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**Catch Basin Maintenance—Continued**

Bangor Motor Co., spring coil.....	.15	
Bond, Harold L. Co., repairs for engines.....	3.75	
Bragg, N. H. & Sons, hook, chain...	.40	
Dunham-Hanson Co., shellac.....	1.75	
Heal, L. G., repairing dump carts...	172.68	
McLaughlin's Garage, repairs to gas pump.....	19.78	
Shannon, M., repairing carts.....	239.45	
Snow & Nealley Co., ash pole, diaphragm.....	4.50	
Treat, John W., spark plugs.....	3.80	
Warren Auto Supply Co., repairs to motor.....	3.20	
		<hr/>
		\$472.08

**All Other:**

Snow & Nealley Co., oil, grease, etc.....	<hr/>	\$20.74
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Total catch basin maintenance.....	\$6,826.89
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**Refuse and Garbage Removal:**

Salaries and Wages.....	\$2,538.75
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**Street Cleaning:**

Salaries and Wages.....	\$9,370.52
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**Equipment:**

Bell & Walker Co., brooms.....	\$24.75
Eastern Steamship Corp. freight on brooms.....	1.34

## Street Cleaning—Continued

New England Road Machinery Co., brooms refilled. . . . .	44.00	
	<hr/>	
	\$70.09	
Credit: Shovels. . . . .	2.25	
	<hr/>	\$67.84

## Compensation Insurance:

Kirstein, Louis & Sons. . . . .	\$362.12
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## Advertising:

Bangor Pub. Co., leaves in street. .	\$5.70	
Bass, J. P. Pub. Co., leaves in street	2.00	
	<hr/>	\$7.70

Total street cleaning. . . . .	\$9,808.18
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## HIGHWAYS AND BRIDGES

## Highways:

## General Administration:

Salary of Clerk.....	\$1,093.00
Salary of Street Commissioner.....	\$1,800.00

## Office Supplies:

Bangor Post Office, stamps.....	\$3.00	
Sullivan, Dan T., paper, pencils, etc.....	13.15	
Supply Dept., stamped envelopes, requisition books.....	6.58	
		<hr/>
		\$22.73

## Printing:

Bangor Co-Operative Ptg. Co., forms.....	\$19.50	
Burr, T. W., Ptg. & Adv. Co., forms.....	28.50	
		<hr/>
		\$48.00

## Trips Out of City:

Webster, John P., New Haven Rockland, Augusta.....	\$55.84
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## Compensation Insurance:

Kirstein, Louis & Sons.....	\$1.16
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Total general administration..	<hr/>	\$3,020.73
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**General Highway Expenditures:**

Salaries and Wages.....	\$37,090.14
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**Material:**

Allen, Walter, gravel, tile.....	\$55.46
American Railway Express Co., ex- press.....	16.60
Babcock, J. H., gravel.....	7.00
Bangor Cast Stone Products Co., gravel, stone.....	905.77
Bangor Railway & Electric, gravel .	153.57
Barrett Co., The, coal tar, tarvia . .	89.53
Berger Mfg. Co. of Mass., Cul- verts.....	621.71
Blaisdell, H. P., gravel.....	110.25
Bragg, N. H. & Sons, culverts.....	44.20
Brooks Brick Co., tile.....	112.90
Carey, The Philip Co., expansion joint.....	95.76
Chute, W. F., lumber.....	104.61
Cort, Fred, gravel.....	173.25
Dunham-Hanson Co., tarred paper.....	9.16
Dunning, R. B. & Co., cement.....	3,323.20
Eastern Steamship Corp., freight...	37.29
Farrington, Dana, sand.....	33.15
Fessenden, Mrs. Susan, lumber....	40.00
Gilman, H. H., gravel.....	83.75
Graham, Harold, gravel.....	50.20
Harvey Hardware Co., tarred paper	2.45
Hathorn, Isabelle, gravel.....	60.90
Highway Dept., binder oil.....	1,166.94
Leary, John, sand.....	50.25
Lewis, E. H., gravel.....	6.00
Maine Central R. R. Co., freight ...	20.79
McLaughlin, Geo. H., lumber.....	197.94

## General Highway Expenditures—Continued

Morse & Co., lumber.....	755.94	
Murray, Thomas, crushed rock....	3.00	
Penobscot, County of, gravel.....	18.00	
Sanford, Chas. C., gravel.....	26.25	
Smith, E. C., gravel.....	5.00	
Standard Oil Co., of New York, binder oil.....	121.08	
Strickland, S. P., lumber.....	3.30	
Transfer, Highway Dept., gravel...	2.50	
Woodman, C. Co., lumber.....	24.25	
	<hr/>	
	\$8,531.95	
Credit.....	9,117.31	
	<hr/>	
		\$585.36

## Supplies:

Bangor Broom Co., brooms.....	\$6.00
Bangor Gas Light Co., coke.....	124.00
Bragg, N. H. & Sons, coal, waste, etc.....	48.23
Brown & White Co., sponge.....	1.50
Cole, Harold, gasoline can.....	1.50
Crossman, W. B., wood.....	27.50
Dunham-Hanson Co., tar paper, etc.....	9.41
Dunning, R. B. & Co., Agr. lime....	4.80
Eastern Builders Assn., brooms, brushes.....	3.92
Eastern Fuel Co., wood.....	6.50
Haynes & Chalmers Co., dynamite, etc.....	69.42
Hincks Coal Co., coal.....	127.57
Jones, F. S. & Co., matches, salt....	4.88
Maine Central R. R. Co., freight on axle grease.....	.67

## General Highway Expenditures—Continued

McLean-Jones & Supply Co., Axle grease.....	3.90	
Murray, Chas., axle grease.....	46.98	
Parkhurst, J. F. & Son Co., Roto salt, etc.....	11.50	
Snow & Nealley Co., Cyl. oil, etc ...	20.60	
Standard Oil Co., of New York, K. oil.....	57.25	
Stickney & Babcock Coal Co., coal .	463.61	
Sweet, Caldwell Co., brush brooms .	3.25	
Thurston & Kingsbury Co., nails ...	17.00	
Towle, J. N. & Co., salt.....	5.74	
Utterback-Gleason Co., oil, sponges, etc.....	24.35	
	<hr/>	
	\$1,090.08	
Credit: Oil.....	38.25	
	<hr/>	\$1,051.83

## Veterinary Surgeon:

Curtis & Tupper, medicine.....	\$46.01	
Dwinal, C. F., D. V. S.....	39.50	
Murch, Alfred L., M. D. V. Veterinary.....	101.50	
Sweet, Caldwell Co., medicine.....	27.45	
Utterback-Gleason Co., Gall remedy, etc.....	5.58	
	<hr/>	\$220.04

## Surburban Agents:

Allen, E. H.,.....	\$2.00
Babcock, J. H. ....	726.00
Blaisdell, H. P. ....	492.45
Chandler, A. J.....	85.50
Cort, Fred.....	586.15

## General Highway Expenditures—Continued

Dysart, E. M. ....	24.00
Eveleth, R. C. ....	437.25
Frost, H. I. ....	783.75
Fuller, F. R. ....	185.72
Garland, C. A. ....	9.67
Hathorn, Guy. ....	69.00
Lewis, E. H. ....	434.00
Lewis, H. P. ....	157.50
Morrison, A. D. ....	286.87
Richards, W. F. ....	605.04
Sanford, A. G. ....	27.75
Sanford, Chas. G. ....	109.50
Smith, E. C. ....	16.50
Wilson, H. O. ....	321.63
	<hr/>
	\$5,360.28

## Hay, Grain and Straw:

Babcock, J. H., hay. ....	\$25.67
Bangor Farmers' Union. ....	23.00
Bass, J. P. Estate of, straw. ....	55.21
Bell, Ruel, hay. ....	126.61
Blackwell, Harvey, hay. ....	33.14
Charity Dept., hay and straw. ....	727.15
Chute, Mrs. W. F., straw. ....	26.07
Clark, E. G., hay. ....	14.00
Dysart, E. M., hay. ....	383.39
Eastern Grain Co., grain. ....	5,589.39
Estes, Harry R., straw. ....	13.10
Eveleth, R. C., hauling straw. ....	2.20
Frost, H. I., straw. ....	50.42
Fuller, F. R., hay. ....	22.82
Garland, C. A., hay. ....	277.90
Garland, C. L., hay. ....	248.40
Graffam, Frank, hay. ....	69.63
Goodness, John, straw. ....	7.70

## General Highway Expenditures—Continued

Goodspeed, C. E., hay.....	44.81
Goodspeed, L. W., hay.....	31.76
Hamm, A. J., hay.....	38.87
Hathorn, Guy E., hay and straw ..	142.07
Hathorn, R. E., hay.....	62.75
Hopkins, A. R. Co., grain.....	1,993.00
Hughen, John, hay.....	32.52
Humphrey, Geo. K., hay.....	53.40
Hunt, G. H., hay and straw.....	23.73
Johnson, Herbert, hay.....	44.05
Kimball, J. W., hay.....	28.40
Lawson-Spinney Co., straw.....	70.56
Lewis, Howard P., hay.....	205.32
Lewis, E. H., straw.....	19.53
Libby, E. W., hay.....	23.26
Maine Central R. R. Co., freight on stock food.....	1.17
Maine Farmers Supply Co., stock food.....	22.35
Maynard, Geo., hay.....	15.44
McCarthy, C., hay.....	496.85
Moor, Geo. L. & Son, straw .....	115.37
Morrison, A. A., hay.....	69.97
Morse & Co., straw.....	35.00
Nadeau, Orman, hay.....	126.85
Nowell, E. L., hay.....	29.75
Nowell, L. L., hay.....	39.74
O'Brien, David, hay.....	102.11
Oxley, Geo., hay, straw.....	38.04
Perry, John, hay.....	28.28
Pritchard, J. W., hay.....	34.20
Rich, F. F., hay.....	18.47
Richardson, Albert, straw.....	12.35
Robinson, J. W., hay.....	126.80
Richardson, Wm. M., hay.....	74.45



## General Highway Expenditures—Continued

Ross, Wm. A., hay.....	29.32	
Ryan, Daniel, hay.....	25.44	
Ryan, John, hay.....	57.43	
Sanford, A. G., hay.....	196.42	
Scripture, Lloyd, hay.....	74.30	
Smith, L. H., straw.....	22.12	
Storer, W. C., hay.....	46.84	
Tourtlott, N. S., hay.....	22.56	
Trask, V. P., hay.....	14.45	
Watson, G. A., hay.....	58.37	
Webster, John P., hay.....	54.14	
Wilson, Henry O., hay.....	33.82	
Witherly, Walter, hay.....	17.48	
Woodman, F. E., straw.....	14.63	
Worster, Geo. W., straw.....	35.81	
	<hr/>	
	\$12,600.15	
Credit: Board of Horses used in		
Sprinkling.....	3,499.39	
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		\$9,100.76

## Equipment Renewals and Repairs:

Adams Dry Goods Co., blankets....	\$81.59
American Railway Express Co., ex- press.....	31.04
Atlantic Express Co., express.....	.79
Babb, C. H. & Co., repairs to sprinkler.....	27.03
Bachelder, J. & Co., repairs to har- ness.....	5.80
Bangor Motor Co., auto repairs....	103.48
Bell & Walker Co., brooms.....	11.35
Berry & Smith, repairing blankets..	12.40
Bragg, N. H. & Sons, material for repairs.....	960.18

## General Highway Expenditures—Continued

Buffalo Steamer Roller Co., repairs for steam roller.....	100.07
Carter, A. J., filing saws.....	4.20
Carter, Ralph E. & Co., welding....	36.40
Conant, C. M. Co., repairs for road machine.....	230.06
Crosby, S. L. Co., auto repairs.....	41.45
Cutter, Leslie W., repairs.....	31.80
Dickey, W. P. & Co., material for repairs.....	3.90
Dole Co., The, electrical repairs ...	13.24
Dunham-Hanson Co., material for repairs.....	36.93
Dunning, R. B. & Co., brooms, shovels, etc.....	238.52
Eastern Steamship Corp., freight...	4.70
Ebbeson, Arvid L., paint.....	1.25
Eldridge, Fred E.C., shellac.....	.40
Electric Dept., motor, lamps, etc...	312.02
Emergency Vulcanizing Co., cement.....	.75
Gerrity, J. F. & Co., glass for auto ..	.25
Gladium Co. Inc., The, steel.....	168.15
Harvey Hardware Co., material for repairs.....	29.60
Haynes & Chalmers Co., material for repairs.....	135.88
Kelley-Springfield Motor Truck Co. repairs for trucks.....	158.17
Lawson, Oscar W., repairs for trucks	380.72
Maine Central R. R. Co., freight ...	2.32
McKenney, Galen, filing saws.....	1.00
McKim, R. B. Co., shovels, grind- stone.....	74.80

## General Highway Expenditures—Continued

New England Broom & Supply Co., push brooms.....	17.00
New England Road Machinery Co., repairs for sweeper, and road machine.....	191.75
New York Belting & Packing Co., washers.....	7.01
O'Brien, David, saws.....	1.25
Oneca Sales Co., The, material for repairs.....	22.71
Parkhurst, J. F. & Son Co., harness renewals.....	227.46
Peavey Mfg. Co., grinding road machine knives.....	124.50
Penobscot, County of, dry cell bat- teries.....	2.40
Rice & Miller Co., material for re- pairs.....	75.47
Ryan, Frank, harness repairs and renewals.....	386.10
Sawyer Motor Co., repairs to loader, etc.....	33.51
Schwartz, M. Sons, belt, saws.....	21.44
Smith & West, electrical repairs....	14.55
Snow & Nealley Co., material for repairs.....	112.34
Strout, Maynard W., auto repairs ..	96.18
Sweet, L. P., Velie repairs.....	1.20
Thompson Implement & Seed Co., whip, cutting edges.....	17.00
Thurston & Kingsbury Co., ham- mers, lanterns, etc.....	38.57
Union Iron Works, material for re- pairs.....	206.48

## General Highway Expenditures—Continued

Utterback-Gleason Co., The, Blanket, clippers, etc.....	9.95	
Warren Auto Supply Co., auto repairs.....	33.99	
Weed, Alvah L., tube.....	4.48	
White, C. E., bandsaw machine....	125.00	
		<hr/>
	\$5,010.58	
Credit: Repairs to sewer carts, use of steam roller, etc.....	412.56	
		<hr/>
		\$4,598.02

## Hose Shoeing:

Bragg, N. H. & Sons, shoes, calks...	\$79.10	
Grant, Asa T.....	544.56	
Leland & Marley.....	14.40	
McKenney, E. & Son.....	244.90	
Smith & Leighton,.....	742.20	
White & Winchester.....	52.85	
		<hr/>
		\$1,678.01

## Insurance:

Baker & Hodge.....	\$134.15	
Blake, Barrows & Brown.....	56.84	
Byrnes, P. J.....	37.15	
Curran, Wm. F. Co.....	64.90	
Dyer, Ralph A.....	95.41	
Freeland, Geo. B.....	219.90	
Kirstein, Louis & Sons.....	732.87	
Lord, Henry & Co.....	40.60	
Meinecke, F. H.....	154.00	
Somers, L. W. Co.....	46.69	
Tyler, L. C. & Sons.....	50.10	
		<hr/>
		\$1,632.61

## General Highway Expenditures—Continued

## Gasoline and Supplies for Autos:

Bangor Motor Co., gasoline.....	\$6.65	
Crosby, S. L. Co., The, gasoline...	2.32	
Dunham-Hanson Co., Mobiloil....	98.84	
Eastern Steamship Corp., freight...	.67	
Foley, J. E. Co., gasoline.....	2.61	
Gulf Refining Co., gasoline, grease..	315.18	
Hodgdon Street Garage, gasoline...	1.40	
McGuire's Garage, gasoline,.....	2.24	
McLean-Jones Oil & Supply, Co., grease, oil, etc.....	64.12	
Murray, Chas., gasoline.....	400.87	
Standard Oil Co., of New York, gasoline.....	229.50	
Strout's Garage, whiz anti-freeze ...	3.00	
Warren Auto Supply Co., gasoline, oil.....	17.65	
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	\$1,145.05	
Credit: Gasoline.....	125.61	
	<hr/>	\$1,019.44

## Horses:

Mitchell, Frank.....	\$685.00	
Credit.....	150.00	
	<hr/>	\$535.00

## Use of Horses:

American Realty Co.....	\$476.66	
Schoppe, H. C.....	91.01	
	<hr/>	\$567.67

## Rubber Coats:

Adams Dry Goods Co.....	\$14.34	
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**General Highway Expenditures—Continued****New Equipment:**

Casey, Francis T., dump cart, don- key cart, harness . . . . .	160.00	
Conant, C. M. Co., road machine . . .	280.00	
Crosby, S. L. Co., The, roadster . . .	315.00	
Ransom Concrete Machinery Co., road roller . . . . .	25.00	
	<hr/>	\$780.00

**Patrol Highway:**

State of Maine . . . . .	\$516.60
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**Use of Mixer:**

Murray Bros. . . . .	\$250.00
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**All Other:**

American Railway Express Co., ex- press . . . . .	\$76.23
Babb, C. H. & Co., repairs at city stables . . . . .	35.30
Ball, Frank W., auto licenses . . . . .	4.00
Bangor Pub. Co., advertising State St. closed . . . . .	1.58
Bass, J. P. Pub. Co., advertising . . .	10.00
Burr, T. W., Ptg. & Adv. Co., print- ing placards . . . . .	3.60
Burroughs Adding Machine Co., cleaning machine . . . . .	4.16
Cannon & Co., directory . . . . .	3.00
Chalmers Studio, photos . . . . .	1.50
Citizens Ice Co., ice . . . . .	41.00
Columbia Towel Supply Co., towels . .	18.00
Cronin, Dan, clipping horse . . . . .	3.00
Dole Co., The, electrical repairs . . .	7.67

## General Highway Expenditures—Continued

Dyer & Rounds, plumbing repairs .	10.80
Earle, Frank W., iron figures for marking tools.....	4.50
Eastern Grain Co., bag strings ....	.28
Eastern Steamship Corp., freight...	5.70
Eldridge, Fred E. Co., glass and glazing.....	24.36
Furbush Printing Co., printing forms.....	40.00
Gerrity, J. F. & Co., picture framed.	1.00
Jones, F. S., matches, mop.....	2.10
Lawson, Oscar W., storage of car...	13.33
Lewis, H. R. & Co., tunnel.....	.30
Lord Bros., salt.....	.50
Lynch, M. & Co., keys.....	1.00
Maine Central R. R. Co., freight ...	29.45
Nason, Mrs. Fannie M., placing lanterns, caring for them.....	8.25
New England Tel. & Tel. Co.....	101.35
Noyes & Nutter Mfg. Co., coal hod	1.38
Portland Directory Co., Maine Register.....	3.00
Postal Telegraph Cable Co., Tele- gram.....	.41
Quinn, Wm. J., trip to sand bank...	2.00
Sawyer, Haven, labor on driveway	42.00
Sullivan, Dan T., pencil sharpener, scrap book.....	2.58
Sweet, Caldwell Co., sanitary fluid	5.20
Transfer—Highway Dept.....	4.00
Thurston & Kingsbury Co., pad- locks.....	2.50
Trenholm, Thomas, use of stable and services rendered sick horse.....	10.00

**General Highway Expenditures—Continued**

Webster, John P., trips to Augusta, etc.....	25.11	
Weed, Alvah L., towing truck.....	1.00	
	<hr/>	
	\$551.14	
Credit:.....	51.52	
	<hr/>	
		\$499.62
		<hr/>
Total general highway expendi- tures.....		\$64,329.00

**Repairs and Maintenance of Sidewalks and Curbing:**

Salaries and Wages.....	\$1,938.43	
Repairing Sidewalks:		
Casey, Francis T.....	\$103.80	
Outside Labor:		
Rogan, J., beveling edges of cement and concrete walks.....	\$19.00	
	<hr/>	
Total repairs and maintenance of sidewalks and curbing .		\$2,061.23

**Snow and Ice Removal:**

Salaries and Wages.....	\$8,519.36	
Suburban Agents:		
Babcock, J. H.....	\$501.00	
Bell, Ruel.....	136.00	
Blaisdell, H. P.....	143.50	
Chandler, A. J.....	161.92	
Cort, Fred.....	168.69	



## Snow and Ice Removal—Continued

Eveleth, R. C.....	193.33	
Frost, H. I.....	198.59	
Hathorn, Guy E.....	3.33	
Lewis, E. H.....	124.00	
Morrison, A. D.....	218.87	
Sanford, C. C.....	88.50	
Smith, E. C.....	126.00	
Wilson, H. O.....	497.95	
	<hr/>	\$2,561.68

## Material:

Bass, J. P. Est. of, gravel.....	291.78	
Towle, J. N. & Co., salt.....	6.56	
	<hr/>	\$298.34
Credit: Sand.....	7.00	
	<hr/>	\$291.34

## Compensation Insurance:

Kirstein, Louis & Sons.....	\$322.95
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## Hired Teams:

Bradbury, C. E.....	\$256.10	
Bell, Ruel.....	93.50	
Frost, H. I.....	141.00	
Green, J. Frank.....	28.00	
Morse & Co.....	234.00	
Snow, E. T.....	134.50	
Willey, M. & Son.....	42.00	
	<hr/>	\$929.10

**Snow and Ice Removal—Continued****Snow Shovels:**

Bragg, N. H. & Sons.....	\$140.01
Dunning, R. B. & Co.....	54.00
Haynes & Chalmers Co.....	5.85
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	\$199.86

Total snow and ice removal... \$12,824.29

**Sprinkling:****General Expenses:**

Salaries and Wages..... \$5,336.79

**Maintenance of Horses:**

Highway Department..... \$3,116.38

**Compensation Insurance:**

Kirstein, Louis & Sons..... \$59.82

**Oil for Road:**

Standard Oil Co. of N. Y..... \$1,241.80

**Sprinkling Inspection:**

Porter, F. H..... \$50.00

**All Other:**

Carter, Ralph E., welding sprinkler..... \$6.50

Total sprinkling—general ex-  
penses..... \$9,811.29

**Bridges:****Repairs and Maintenance:****Bangor and Brewer Bridge:**

Bragg, N. H. & Sons, bolts, steel, etc.....	\$15.92	
Cassidy, T. F. & Son, labor on angle iron.....	15.00	
Connor Coal & Wood Co., coal....	20.03	
Dickey, W. P. & Co., turn buckles..	11.40	
Dunham-Hanson Co., oil and dryer.	68.05	
Grady, John & Son, wood block paving.....	42.00	
Harvey Hardware Co., paint, nails, etc.....	7.80	
Haynes & Chalmers Co., paint, etc.....	23.89	
Highway Dept., cleaning bridge, sprinkling bridge, removing snow and ice.....	100.00	
Lynch, M. & Co., lock, keys, etc....	4.50	
Maine Central R. R., cost of pro- tection while painting bridge..	22.44	
Morse & Co., lumber and nails....	458.74	
Pay Roll, March 1—Feb. 29.....	2,221.89	
Rice & Miller Co., paint brushes ..	13.77	
Tropical Paint & Oil Co., paint.....	245.00	
Union Iron Works, scuppers, etc....	68.06	
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	\$3,338.49	
Credit: Repairs to bridge and con- duit.....	34.96	
	<hr/>	
		\$3,303.53

**Bridges—Continued****Kenduskeag Bridge:**

Dunham-Hanson, Oil, dryer . . . . .	\$34.25	
Morse & Co., lumber . . . . .	44.30	
Pay Roll . . . . .	374.45	
Rogan, John M., cleaning concrete from bridge site and from steel	9.45	
	<hr/>	\$462.45

**Salt Mills Bridge:**

Bragg, N. H. & Sons, hardware . . .	\$ .66	
Dunning, R. B. & Co., pails, lime . .	3.30	
Freeland, Geo. B., insurance . . . .	42.00	
Lord, Henry & Co., insurance . . . .	42.00	
Marston, E. B. Sign Co., signs . . . .	13.50	
Morse, F. S., signs . . . . .	9.83	
Mullen, Chas. C., insurance . . . . .	42.00	
Pay Roll . . . . .	126.74	
Somers, L. W. Co., insurance . . . .	42.00	
Towle, J. N. & Co., salt . . . . .	1.00	
Ward, John M., putty . . . . .	5.00	
	<hr/>	\$328.03

**Mt. Hope Ave. Bridge:**

Harvey Hardware Co., paint . . . . .	\$3.88	
Pay Roll . . . . .	8.10	
	<hr/>	\$11.98

**Pushaw Bridge:**

Kane, Michael, use of team . . . . .	\$4.00	
Pay Roll . . . . .	4.55	
	<hr/>	\$8.55

**Bridges—Continued****Central Street Bridge:**

Cassidy, T. F. & Son, stirrups . . . . .	\$10.00	
Morse & Co., lumber and nails . . . . .	138.13	
Murray, Thomas . . . . .	162.22	
Pay Roll . . . . .	166.36	
	<hr/>	\$476.71

**Maine Central Railroad Walk:**

Morse & Co., lumber . . . . .	\$12.49	
Pay Roll . . . . .	11.03	
	<hr/>	\$23.52

**Stillwater Ave. Bridge:**

Harvey Hardware Co., paint . . . . .	\$3.88	
Kane, Michael, use of team . . . . .	4.00	
Pay Roll . . . . .	16.70	
	<hr/>	\$24.58

**Six Mile Falls Bridge:**

Pay Roll . . . . .	\$3.30
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**Odlin Road Culvert:**

Harvey Hardware Co., paint . . . . .	\$3.89	
Morse & Co., lumber . . . . .	81.21	
Pay Roll . . . . .	96.55	
Thurston & Kingsbury Co., paint . . . . .	4.77	
	<hr/>	\$186.42

**Red Bridge:**

Harvey Hardware Co., paint . . . . .	\$11.40	
Pay Roll . . . . .	14.20	
Thurston & Kingsbury Co., paint . . . . .	4.76	
	<hr/>	\$30.36

## Bridges—Continued

## Morse's Mills Bridge:

Barrett Co., The, coal tar.....	\$10.60
Curran, Wm. F. Co., insurance....	42.00
Dunham-Hanson Co., spikes.....	13.05
Freeland, Geo. B., insurance.....	21.00
Marston, E. B. Sign Co., signs.....	13.50
Morse & Co., lumber and nails.....	672.00
Morse, F. S., signs.....	9.83
Pay Roll.....	314.23
Pearl & Dennett Co., insurance....	42.00
Somers, L. W. Co., insurance.....	42.00
Towle, J. N. & Co., salt.....	1.00

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 \$1,181.21

Credit: B. R. &amp; E., repairs to bridge 51.75

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 \$1,129.46

## Franklin Street Bridge:

Murray, Thomas.....	\$104.54
Pay Roll.....	23.56

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 \$128.10

## Parker Brook Bridge:

Morse & Co., lumber.....	\$115.02
Pay Roll.....	45.89

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 \$160.91

## Ohio Street Culvert:

Carter, Ralph E. & Co., cutting steel and trucking.....	\$7.50
Haynes & Chalmers Co., nails, screws.....	1.44
Highway Dept., gravel.....	45.00

**Bridges—Continued**

Morse & Co., lumber.....	142.87	
Pay Roll.....	257.00	
	<hr/>	\$453.81

**Hogan Road Bridge:**

Pay Roll.....	\$3.00
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**Finson Road Bridge:**

Bragg, N. H. & Sons, hardware.....	\$9.78	
Carter, R. E. & Co., cutting steel..	6.00	
Cassidy, T. F. & Son, tools and re-		
pairs.....	10.75	
Dunham-Hanson Co., oil.....	3.75	
Gilman, H. H., gravel.....	18.75	
Haynes & Chalmers Co., nails ....	19.02	
Lewis, H. R. & Co., galv. iron.....	.80	
Morse & Co., lumber.....	513.69	
Pay Roll.....	376.51	
Snow & Nealley Co., cant dogs....	4.85	
	<hr/>	\$963.90

**High School Fence:**

Pay Roll.....	\$2.32
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**General:**

Bass, J. P. & Pub. Co., advertising		
men to guard aviation field ...	\$ 1.00	
Bragg, N. H. & Sons, tools, steel....	33.29	
Burr, T. W. Ptg. & Adv. Co., time		
slips.....	8.40	
Cannon & Co., directory.....	3.00	
Chalmers Studio, developing films,		
prints.....	3.25	

**Bridges—Continued**

Cutter, Leslie W., labor on signs, etc. ....	8.85
Dunham-Hanson Co., nails, steel tape, etc. ....	18.85
Dunning, R. B. & Co., snow shovel, hose and nozzle. ....	15.00
Fire Dept., use and care of horse, June 1-19, March 1-20. ....	200.00
Grant, Asa T., shoeing. ....	11.90
Great Northern Paper Co., blue printing. ....	2.17
Hall, Edwin O., engineering sup- plies. ....	29.36
Harvey Hardware Co., level, nails, etc. ....	5.00
Haynes & Chalmers Co., paint, hardware, etc. ....	116.21
Kirstein, Louis & Sons, compensa- tion insurance. ....	273.10
Lynch, M. & Co., padlock, keys. ....	2.50
McGraw-Hill Book Co., book. ....	4.00
McKim, R. B. Co., axe handles. ....	3.50
Morse & Co., lumber, nails. ....	112.47
Morse, Frank S., fence on old post office lot. ....	198.41
Pay Roll. ....	382.73
Portland Directory Co., Maine Register. ....	3.00
Rice & Miller Co., paint, snow shov- els. ....	31.37
Ryan, Frank, repairing harness and leather bags. ....	4.75
Schwartz, M. Sons, crayons. ....	.75
Shtrachman, Barney, repairs to sled	2.50



**Bridges—Continued**

Standard Oil Co. of New York, K.		
oil. ....	8.50	
Sullivan, Dan T., office supplies. . . .	9.84	
Supply Dept., Requisition books . .	.64	
Thurston & Kingsbury Co., tools. . .	9.10	
	<hr/>	
	\$1,503.44	
Credit: Maine Central R. R. re-		
pairs to B. & B. bridge. . . . .	74.15	
	<hr/>	
	\$1,429.29	
	<hr/>	
Total bridges. . . . .		\$9,130.22

**CHARITIES****Charities:****General Administration:**

Salaries—Overseers of the Poor. . . .	\$1,372.05
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**Expense:**

Bangor Post Office, stamps. . . . .	\$5.00
Cannon & Co., directory. . . . .	3.00
Maxfield, D. W., stamps, Justice of the Peace appointment. . . . .	11.00
Portland Directory Co., Maine Reg- ister. . . . .	3.00
Sullivan, Dan T., guides. . . . .	5.15
Supply Dept., vouchers, requisition books, etc. . . . .	7.01
	<hr/>
	\$34.16

## Charities—Continued

## Clerk:

White, Rebecca .....	\$50.00
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## Office Furniture:

Sullivan, Dan T., card cabinet....	8.23
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Total general administration ..	<hr/> \$1,464.44
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## Almshouse:

Salaries and Wages.....	\$7,751.54
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## Groceries and Provisions:

Armour & Co. ....	\$41.85
Baker, M. C. ....	20.21
Bangor Dairy Co. ....	76.95
Bauer, John F. Co., The.....	14.00
Bean, W. A. & Son.....	50.00
Cassidy, John Co. ....	335.66
Central Fish & Produce Co. ....	6.40
Chapin, Arthur Co. ....	303.53
Cochran, Ed. ....	4.76
Cole, W. P. ....	6.00
Cox's Sea Food Market.....	9.00
Dunning, R. B. & Co. ....	2.17
Fickett, Oscar A. Co. ....	262.58
Fleischmann Co. The.....	23.12
Green, G. W. ....	525.10
Grocers Baking Co. ....	3.80
Hayward, Chas. & Co. ....	203.99
Higgins, W. F. ....	29.15
Jones, Alfred Sons.....	193.61
Joy, A. W. Co. ....	109.76
Klatt, L. E., freight on oleo.....	1.17

## Almshouse—Continued

Mitchell, R. H. ....	104.78	
Murray Bros. ....	362.73	
Narragansett Supply Co. ....	241.20	
National Biscuit Co. ....	56.02	
Squire, John P. Co. ....	67.20	
Staples & Griffin. ....	666.16	
Swift & Co. ....	87.38	
Thurston & Kingsbury Co. ....	50.20	
Towle, J. N. & Co. ....	78.00	
Wilson & Co. ....	81.25	
		<hr/>
		\$4,017.73

## Fuel:

Maine Central R. R. Co., freight on wood. ....	73.79	
Sterns Lumber Co., wood. ....	3,272.21	
Stewart, Chas. M., measuring wood. ....	7.26	
Stickney & Babcock Coal Co., coal. ....	875.00	
		<hr/>
		\$4,228.26
Credit: Wood transferred to Out- side Relief. ....	265.00	
		<hr/>
		\$3,963.26

## Dry Goods and Clothing:

Adams Dry Goods Co. ....	\$483.45	
Clark, Chas. E. ....	1.00	
Freese, A. L. ....	18.07	
Hale, C. B. & Co. ....	54.28	
Miller & Webster Clothing Co. ....	19.50	
New York Syndicate. ....	12.50	
Nichols, E. C. Dry Goods Co. ....	72.90	
Waterman, J. Co. ....	408.65	
		<hr/>
		\$1,070.35

## Almshouse—Continued

## Grain and Feed:

Bangor Farmers' Union . . . . .	\$54.35	
Dunning, R. B. & Co. . . . .	15.00	
Eastern Grain Co. . . . .	169.30	
Milliken, James Co. . . . .	386.25	
Smith, G. W. Co. . . . .	14.50	
Towle, J. N. & Co. . . . .	373.32	
		<hr/>
		\$1,012.72

## Hospital Supplies and Medicine:

Adams Dry Goods Co., cheesecloth .	\$13.72	
Bangor Railway & Electric Co., stove . . . . .	8.00	
Cochran, Samuel Q., whiskey . . . .	12.00	
Hodgkins & Fiske Co., bed, spring, mattress . . . . .	16.50	
Hogan & Callan, mattress . . . . .	5.50	
Skinner, Otis Optical Co., repairing glasses . . . . .	.50	
Smith & West . . . . .	10.00	
Sweet, Caldwell Co., medicine . . . .	419.88	
Vose, P. H. Co., bed pan . . . . .	3.37	
Warren, Ara, trusses, urinals . . . .	13.00	
		<hr/>
		\$502.47

## Boots and Shoes:

Bangor Shoe Co. . . . .	\$13.23	
Connors, John Shoe Co. . . . .	106.39	
Johnson, Charles, making shoe . . .	6.00	
New York Syndicate . . . . .	7.96	
Palmer, Shoe Mfg. & Rep'g Co., re- pairing shoes . . . . .	11.70	
Yates, A. O., Shoe Co. . . . .	7.00	
		<hr/>
		\$152.28

## Almshouse—Continued

## Veterinary and Horse Shoeing:

Grant, Asa T., shoeing. . . . .	\$227.68	
Bragg, N. H. & Sons, calks. . . . .	5.90	
Dwinal, C. F., D. V. S., veterinary. .	23.00	
Murch, Alfred L., M. D. V., veterin- ary. . . . .	5.00	
	<hr/>	\$261.58

## Tobacco:

Cassidy, John Co. . . . .	\$6.84	
Bangor Cigar Mfg. Co. . . . .	4.28	
Chapin, Arthur Co. . . . .	109.02	
Hayward, Chas. & Co. . . . .	25.09	
Staples & Griffin. . . . .	73.20	
	<hr/>	\$218.43

## Household Utensils and Supplies:

Adams Dry Goods Co., blankets. . .	\$8.09	
Cassidy, John Co., toilet paper, washing powder. . . . .	176.80	
Chandler & Co., shades, rugs, etc. .	51.15	
Chapin, Arthur Co., gold dust . . .	6.75	
Dunning, R. B. & Co., brooms, scrub brush. . . . .	15.20	
Farrar Furniture Co., furniture . . .	147.00	
Great Atlantic & Pacific Tea Co., soap. . . . .	7.00	
Haynes & Chalmers Co., alarm clock. . . . .	2.45	
Hayward, Chas. & Co., matches, soap. . . . .	15.10	
Hodgkins & Fiske Co., chair. . . . .	7.50	
Lewis, H. R. & Co., milk bottles. . .	.60	
McAvey, C. E., refrigerator. . . . .	19.00	

**Almshouse—Continued**

Noyes & Nutter Mfg. Co., dishes . . .	4.09	
Standard Oil Co., of New York, K. oil . . . . .	1.36	
Staples & Griffin, washing powder, etc. . . . .	102.75	
Sweet, Caldwell Co., sal soda . . . .	.25	
Vose, P. H. Co., dishes . . . . .	71.17	
West Disinfecting Co., liquid soap . .	63.70	
Wilson & Co., soap and powder . . .	43.74	
Wood & Bishop Co., irons, dishes, etc. . . . .	7.58	
		<hr/>
		\$751.28

**Material and Repairs:**

Babb, C. H. & Co., repairs . . . . .	\$2.69
Bachelder, J. & Co., harness repairs.	25.55
Bragg, N. H. & Sons, material for repairs . . . . .	3.85
Carter, A. J., filing saws . . . . .	.60
Carter, Ralph E. & Co., welding . . .	1.25
Conant, C. M. Co., repairs for drill .	4.44
Cuddy, Thomas E., repairs on carts, etc. . . . .	10.60
Cutter, Leslie W., repairs . . . . .	38.25
Deere, John Plow Co., repairs for plow . . . . .	3.99
Dole Co., The, electrical repairs . . .	40.15
Dunham-Hanson Co., material for repairs . . . . .	34.79
Dunning, R. B. & Co., material for repairs . . . . .	53.68
Dyer & Rounds, plumbing repairs . .	45.88
Electric Dept., lamps . . . . .	28.36
Harvey Hardware Co., material for repairs . . . . .	14.11

## Almshouse—Continued

Haynes & Chalmers Co., paint, muresco.....	10.78	
Heal, L. G., repairs.....	17.95	
Knowles & Dow Co., repairs to farming tools.....	18.18	
Lewis, H. R. & Co., bonnet for sawing machine, etc.....	3.35	
Lynch, M. & Co., keys.....	4.20	
Mason, John & Son, repairs to sled .	10.00	
McKenney, Galen & Son, grinding lawnmower.....	1.00	
Morse & Co., lumber.....	9.67	
Pol, Bernhard, repairing clock.....	2.50	
Ryan, Frank, harness repairs ....	13.30	
Schwartz, M. Sons, saw blades set and filed.....	2.85	
Shannon, M., repairing wagons.....	26.90	
Sterns Lumber Co., lumber.....	13.64	
Union Iron Works, valve discs ....	1.36	
Utterback-Gleason Co., rubber tires, etc.....	9.50	
Welch, C. E., equipment repairs....	12.80	
Welch & Ireland, equipment repairs	3.48	
Woodman, C. Co., laths.....	.75	
	<hr/>	
	\$470.40	
Credit: Toilet bowl and tank.....	25.00	
	<hr/>	
		\$445.40

## Seed:

Dunning, Herbert A.....	\$14.00
Dunning, R. B. & Co.....	247.00
Henderson, Peter & Co.....	10.75
Knowles & Dow Co.....	44.00

## Almshouse—Continued

Maine Central R. R., freight on seed.....	35.29	
Saltzer, John A. Seed Co.....	108.30	
	<hr/>	\$459.34

## Fertilizer:

Dunning, R. B. & Co.....	\$2.00	
Morison Bros.....	77.81	
Union Iron Works.....	1.10	
	<hr/>	\$80.91

## Equipment:

Cuddy, Thomas E., farm wagon....	\$100.00	
Dunham-Hanson Co., tools .....	11.20	
Dunning, R. B. & Co., farming tools	116.58	
Ryan, Frank, saddle, blankets, etc..	23.75	
Utterback-Gleason Co., halters, sweat pads, etc.....	12.50	
	<hr/>	\$264.03

## Insurance:

Boyd, J. Herbert.....	\$38.00	
Freeland, Geo. B.....	7.97	
Lord, Henry & Co.....	47.24	
McClure, J. W. & Son,.....	20.00	
	<hr/>	\$113.21

## Stock:

Gotlieb, Samuel, cow.....	\$140.00	
Jackson, A. L., heifer.....	25.00	
	<hr/>	\$165.00



## Almshouse—Continued

## All Other:

Adams Dry Goods Co., bags.....	\$7.97
Bangor Cleaning Co., cleaning rugs	2.82
Bangor Post Office, stamped envelopes, stamps.....	4.31
Bangor Publishing Co., advertising.....	11.35
Bangor Tallow Co., killing hogs....	8.75
Bass, J. P. Pub. Co., advertising ..	2.00
Bean, W. A. & Sons, killing cows, storing beef.....	3.00
Bragg, N. H. & Sons, wool fat.....	.80
Brastow, F. H. & Son, milling wheat.....	30.54
Burr, T. W., Ptg. & Adv. Co., printing record blanks.....	9.75
Cole, L. F., threshing grain.....	103.60
Dunham-Hanson Co., Mobiloil....	4.50
Dunning, R. B. & Co., oil, disinfectants, etc.....	38.95
Fellows, Nellie L. Co., coloring curtains.....	3.00
Highway Dept., labor on road.....	9.00
Klatt, L. E., Xmas tree.....	1.50
Maine Central R. R., freight.....	9.31
Maxfield, D. W., Justice of Peace appointment for Mr. Klatt....	5.00
McCabe, John C., trees.....	14.00
Morse & Co., splitting boards.....	.75
New England Tel. & Tel. Co.....	65.74
New Franklin Laundry.....	146.22
Penobscot Employment & Real Estate Agency, placing teamster.....	1.00
Perry, John H.....	20.00

**Almshouse—Continued**

Ryan, Frank, rein lengtheners.....	5.00	
Skinner, Otis Optical Co., glasses...	1.25	
Smith, G. W., grinding grain.....	10.50	
Snow & Nealley Co., rope.....	4.20	
Sullivan, Dan T., journal, receipt books, pads.....	4.85	
Supply Dept., vouchers, requisition books.....	4.35	
Sweet, Caldwell Co., rat poison, salt petre.....	7.13	
Thurston & Kingsbury Co., bag needles.....	.60	
Troy Laundry.....	1.90	
Utterback-Gleason Co., blanket, pins, bandages.....	1.25	
	<hr/>	
	\$544.89	
Credit: Use of team.....	5.00	
	<hr/>	
		\$539.89
		<hr/>
Total Almshouse.....		\$21,769.42

**Outside Relief by City:****Groceries and Provisions:**

Anderson, Peter A.....	\$185.00
Brennan, J. H.....	70.00
Chapman, G. A.....	340.00
Fleming, John F.....	164.90
Foley, J. E. Co.....	464.90
Frank Grocery Co.....	135.00
Gallagher Bros.....	55.00
Gatchell, E. S.....	49.99
James, J. G.....	25.00
Jellison, H. E.....	50.00

## Outside Relief by City—Continued

Jordan, R. C.....	45.00	
Lord Bros.....	50.00	
Matheson, W. D.....	169.29	
McAvey, Fred.....	155.00	
McDonald, H. E.....	40.00	
McGrath, D. J.....	80.00	
Pearson & Spencer.....	25.00	
Robinson, S. H. & Son.....	135.00	
Speed, Clarence C.....	20.00	
Spencer, E. F.....	10.00	
Staples & Griffin.....	288.00	
Sullivan, E. P.....	40.00	
Townsend, Geo. E.....	70.00	
White, Wm. F.....	60.00	
Wilde, E. W.....	125.00	
Winchester, C. F.....	95.00	
	<hr/>	
	\$2,947.08	
Credit: Refunds.....	13.00	
	<hr/>	
		\$2,934.08

## Fuel:

Charity Dept., wood.....	\$254.00	
Transfer—wood from Sterns Mills..	1,354.00	
	<hr/>	
		\$1,608.00

## Dry Goods, Clothing, Boots and Shoes:

Bangor Shoe Store, rubbers.....	\$6.20	
Besse-Ashworth Co., clothing.....	5.52	
Clark, Chas. E., clothing.....	68.44	
Connors, John Co., shoes.....	96.17	
Freese, A. Langdon, clothing.....	121.39	
Hale, C. B. & Co, clothing.....	28.49	
Healy Asylum, clothing.....	10.00	

## Outside Relief by City—Continued

Leavitt, Eben, dry goods.....	1.39	
Modern Shoe Repairing Co., shoes.....	22.20	
New York Syndicate, clothing, shoes.....	148.83	
Nichols, E. C., Dry Goods Co., clothing.....	105.21	
Philbrook, Beulah F., clothing.....	1.95	
Robinson, Mrs. E. L., tapping shoes.....	1.10	
Smith, Mrs. H. E., cap, rubbers....	1.90	
Star Store, The, clothing.....	37.62	
Sugden, C. R., shoes, rubbers.....	26.15	
Waterman, J. Co., clothing.....	227.26	
Wood & Ewer Co., clothing.....	20.62	
	<hr/>	
	\$930.44	
Credit: Reimbursed by State.....	329.39	
	<hr/>	
		\$601.05

## Insane Cases, Medical Attendance, Medicine:

Arnold, Daisy B., medical attend- ance.....	\$1.25
Brown, E. E., M. D., insane case ...	3.00
Bryant, B. L., M. D., insane case ...	9.00
Clough, H. T., M. D., professional services.....	18.50
Cox, James F., M. D., insane cases	47.00
Crane, Harold H., M. D., insane cases.....	6.00
East Side Pharmacy, prescription ..	15.51
Eastern Maine General Hospital, hospital treatment.....	103.40
Emerson, W. Merritt, M. D., insane cases, medical attendance.....	14.00

## Outside Relief by City—Continued

Edmunds, C. D., M. D., insane cases.....	12.00	
Francke, P. F., M. D., insane cases.....	3.00	
Hunt, W. L., M. D., insane cases...	5.00	
Johnson, M. R., medicine.....	.28	
King, H. A., M. D., insane case.....	3.00	
Mason, L. S., M. D., professional services.....	12.00	
McCann, Daniel, M. D., insane cases.....	9.00	
Milliken, H. J., M. D., insane cases	27.00	
Nickerson, Norman H., M. D., insane cases.....	3.00	
Osgood, H. W., M. D., insane cases, medical attendance.....	51.00	
Phillips G. A., D. D. S., cleaning teeth.....	1.00	
Sanger, E. B., M. D., insane case ..	8.00	
Sweet, Caldwell Co., medicine .....	17.14	
Taylor, C. J., M. D., insane cases, medical attendance.....	107.00	
Wright, L. J., M. D., insane cases ..	6.00	
	<hr/>	
	\$482.08	
Credit: Reimbursed by State.....	24.75	
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		\$457.33

## Board:

Arnold, Daisy B.....	\$80.58
Avery, Mrs. Harold.....	26.71
Bagley, Mrs. James E.....	6.50
Betterley, Mrs. P. C.....	53.70
Bangor Children's Home.....	104.11

## Outside Relief by City—Continued

Bulls, Mrs. L. W. ....	1.28	
Cushman, Mrs. M. E. ....	5.28	
Good Samaritan Home. ....	94.00	
Hamm, Flora E. ....	94.00	
Hamm, Mrs. Lamson. ....	76.72	
Healey Asylum. ....	119.00	
Hillson, Mrs. Philip. ....	30.00	
Hopkins, Mrs. R. S. ....	40.29	
Johnson, Mrs. M. R. ....	159.96	
Jones, Mrs. L. H. ....	254.00	
Katen, Mrs. Willard. ....	71.41	
Libby, C. G. ....	124.00	
McDonald, Mrs. Duncan. ....	72.45	
McEwen, Mrs. Benj. P. ....	80.58	
Miller, Mrs. A. B. ....	51.50	
Robinson, Mrs. E. L. ....	485.10	
Smith, Mrs. H. E. ....	9.00	
Towle, Mrs. Mattie A. ....	96.00	
Tracy, Mrs. Fred. ....	15.00	
Wilkinson, Mrs. Edith. ....	8.00	
Young Men's Christian Assn. ....	11.10	
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	\$2,170.27	
Credit: Reimbursed by State. ....	355.72	
	<hr/>	\$1,814.55

## Rent:

Dolan, Bridget, Est. ....	\$24.00	
Emple, Mrs. Katie. ....	48.00	
Foley, J. E. Co. ....	77.00	
Goldberg, Mrs. Eva. ....	48.00	
Haynes, J. H. ....	150.00	
Shapiro, Max. ....	96.00	
	<hr/>	\$443.00

## Outside Relief by City—Continued

## Transportation:

Alexander, F. D., carriage . . . . .	\$2.50	
Coulter, J. J., carriage . . . . .	2.00	
Eastern Maine General Hospital, Ambulance . . . . .	2.00	
Greenier, J., carriage . . . . .	3.00	
Kane, Machael, carriage ambulance	16.00	
Maine Central R. R. . . . .	75.28	
Maxfield, D. W. . . . .	11.40	
Philbrook, Beulah, auto hire . . . . .	5.86	
	<hr/>	\$118.04

## Burial:

Cassily & Kane . . . . .	\$70.00	
Finnegan Bros. . . . .	38.00	
Kane, Michael . . . . .	4.00	
Hathorn, R. E. . . . .	20.00	
Mt. Pleasant Catholic Cemetery .	10.00	
Pond, Galen S. . . . .	33.00	
Quine, P. . . . .	10.00	
White, Ralph B. . . . .	375.00	
	<hr/>	\$560.00

## All Other:

Betterly, Mrs. P. C., hair cut . . . . .	\$ .25	
Drake, Mrs. Jennie S., cash furnished . . . . .	208.00	
Gould, Daisy B., hair cut . . . . .	.25	
Johnson, M. R., hair cut . . . . .	1.55	
Libby, Mrs. C. G., hair cut, repairing shoes . . . . .	1.98	
Liggett, Louis K. Co., tooth brushes, paste, etc . . . . .	2.13	

## Outside Relief by City—Continued

Maxfield, D. W., cash furnished . . .	1.00	
Miller, Mrs. A. B., hair cut . . . . .	.35	
Weiler, Geo. B., warrant—insane case . . . . .	4.24	
White, Rebecca, car-fare—Moth- ers' Aid . . . . .	48	
	<hr/>	
	\$220.23	
Credit: Reimbursed by State . . . . .	3.58	
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		\$216.65
		<hr/>
Total outside relief . . . . .		\$8,752.70

## Relief Given by Other Cities and Towns:

## Provisions:

Brewer, City of . . . . .	\$57.13	
Dedham, Town of . . . . .	5.00	
	<hr/>	
		\$62.13

## Board:

Bar Harbor, Town of . . . . .	\$39.00	
Greenbush, Town of . . . . .	14.85	
	<hr/>	
		\$53.85

## Clothing, Boots and Shoes:

Brewer, City of . . . . .	\$5.75	
Hudson, Town of . . . . .	6.47	
	<hr/>	
		\$12.22

## Transportation:

Greenbush, Town of . . . . .	\$10.00	
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**Relief Given by Other Cities and Towns—Continued .****Medical Attendance:**

Dedham, Town of.....	\$57.00	
	<hr/>	
Total relief given by other Cities and Towns.....		\$195.20

**Other Expenses:****Telephone:**

New England Tel. & Tel. Co.....	\$3.70	
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**Office Supplies:**

Burr, T. W., Ptg. & Adv. Co., ticket order blanks, grocery order blanks.....	13.30	
Sullivan, Dan T., pencils, type- writer ribbon.....	1.37	
	<hr/>	\$14.67
Total other expenses.....		\$18.37

**City Physician:**

Salary.....	\$525.00
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**City Missionary:**

Salary.....	\$576.00
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**SOLDIERS' BENEFITS****Soldiers' Benefits:****State of Maine:**

State Pensions.....	\$6,159.00
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## SOLDIERS' RELIEF FUND

## Soldiers' Relief:

## Relief:

Allen, Julia . . . . .	\$102.29
Annunziata, Estelle Bowen . . . . .	24.00
Barry, Mary . . . . .	66.29
Bartley, James . . . . .	1.71
Beverly, Ida M. . . . .	131.43
Billings, Agnes M. . . . .	14.14
Blanchard, Mrs. John J. . . . .	93.72
Burr, Annie H. . . . .	12.00
Champeon, Mrs. Jack D. . . . .	89.72
Chase, Ruth W. . . . .	24.00
Cole, Marion H. . . . .	89.72
Coombs, Simeon F. . . . .	52.57
Currier, Abbie . . . . .	35.43
Curtis, Mrs. John P. . . . .	39.43
Curtis, Mary R. . . . .	129.00
Curtis, Minnie C. . . . .	71.43
Cutter, Mrs. Benj. O. . . . .	224.28
Davis, David . . . . .	28.57
DeCosta, Delia S. . . . .	103.43
Dodge, Sarah A. . . . .	24.00
Dolan, Mrs. Henry T. . . . .	12.57
Douglass, Mrs. Chas. H. . . . .	58.14
Ellis, Mary C. . . . .	89.71
Faraday, Mrs. Robert L. . . . .	29.71
Ferguson, Celia S. . . . .	24.00
Fitzgerald, Hannah . . . . .	132.00
Foss, Mrs. Grover C. . . . .	134.79
Gunn, Bella R. . . . .	101.72
Harmon, Phoebe J. . . . .	85.72

## Soldiers' Relief—Continued

Harnish, Lilla M. ....	35.43
Herlihy, Nellie M. ....	49.14
Hickey, Patrick. ....	35.43
Hinds, Mrs. Josiah. ....	24.00
Howard, Beryl A. ....	18.21
Hudson, Eva V. ....	24.00
Huskins, Mrs. Chas. B. ....	48.71
Ingraham, Charlotte. ....	24.00
Johnson, Jennie R. ....	90.29
Jordan, Elizabeth. ....	137.14
Kelleher, Annie F. ....	28.00
Labra, Agnes E. ....	136.71
Lambert, Mrs. Rose E. ....	129.00
Lancaster, Addie R. ....	21.71
Leen, Mary, ....	17.14
Leonard, Helen M. ....	28.57
Lewis, Mrs. Archie G. ....	37.14
Libby, Georgia E. ....	39.43
Linnell, Mrs. Guy E. ....	25.71
Malkson, Addie L. ....	56.00
Martin, Elzear. ....	81.72
Mazerall, Wilda A. ....	35.43
McAdam, Sarah. ....	62.29
McCarthy, Mrs. John T. ....	258.57
McFarland, Laura. ....	28.00
McGuire, Cecelia C. ....	101.14
McPhee, Mrs. Wm. F. ....	3.14
Meehan, Mary A. ....	81.72
Morrison, Eva M. ....	131.21
Mutty, Mrs. David F. ....	21.71
Mutty, Mary E. ....	24.00
O'Brien, Daniel. ....	12.00
Otis, Mrs. Harrison M. ....	24.00
Pearson, Wm. W. ....	24.00
Pecorelli, Vivian D. ....	28.00

## Soldiers' Relief—Continued

Pelchier, Mrs. Lawrence A. . . . .	101.86	
Quinn, Mary L. . . . .	21.71	
Rand, Mrs. Herbert S. . . . .	24.00	
Riggie, Mrs. Jos. L. . . . .	25.71	
Rist, Mrs. Francis X. . . . .	9.71	
Rosen, Morris. . . . .	24.00	
Smith, Mrs. Everett L. . . . .	48.71	
Smith, Mrs. Wesley L. . . . .	49.14	
Spellman, Margaret A. . . . .	104.00	
Stevens, Lizzie P. . . . .	35.43	
Steves, Louise. . . . .	21.71	
Titcomb, Emmie P. . . . .	24.00	
Towle, Ethel C. . . . .	33.00	
Trainor, Patrick J. . . . .	24.00	
Trask, Mrs. Lindsay G. . . . .	33.00	
Treworgy, Mrs. Lawrence L. . . . .	28.00	
Turner, Mildred N. . . . .	197.00	
Wallace, Annie. . . . .	47.36	
Webster, Mrs. Herbert L. . . . .	45.71	
Whalen, Matthieas. . . . .	35.43	
Wottrich, Diana. . . . .	24.00	
Young, Effie M. . . . .	24.00	
	<hr/>	
	\$4,929.69	
Credit: Reimbursed by State. . . . .	4,921.69	
	<hr/>	
		\$8.00
		<hr/>
Total soldiers' relief fund. . . . .		\$8.00

## MOTHERS' AID FUND

## Mothers' Aid Fund:

## Aid:

Abbott, Hannah L. ....	\$126.00
Bates, Blanche. ....	175.20
Blake, Mary. ....	121.20
Brewer, City of. ....	121.50
Brown, Josie L. ....	191.83
Burke, Elizabeth. ....	216.00
Burke, Lillian. ....	168.00
Carlisle, Margaret. ....	264.00
Clarke, Ellen F. ....	216.00
Clukey, Margaret E. ....	56.00
Craven, Effie D. ....	216.00
Drolet, Bessie. ....	35.33
Dymond, Carrie. ....	10.00
Eslin, Ida M. ....	460.00
Fessenden, Susan W. ....	120.00
Fickett, Laura M. ....	264.00
Grover, Amanda M. ....	243.60
Hanson, Ellen. ....	120.00
Hermon, Town of. ....	108.00
Jellison, Emma A. ....	119.13
Jewell, Annie H. ....	129.00
Laffey, Ellen M. ....	168.00
Mace, Florence. ....	198.00
Mann, Bertha. ....	30.00
McAlpine, Alice J. ....	168.00
McCarthy, Margaret J. ....	216.00
Moran, Margaret A. ....	144.67
Morrill, Grace G. ....	30.00

**Mothers' Aid—Continued**

Pinkham, Beulah H. ....	153.33	
Shaw, Flossie R. ....	156.92	
Snowman, Leila B. ....	56.00	
White, Mrs. Lora. ....	193.33	
	<hr/>	
	\$4,995.04	
Credit: Reimbursements. ....	2,817.52	
	<hr/>	
		\$2,177.52
		<hr/>
Total Mothers' Aid Fund. ....		\$2,177.52

**EDUCATION****General Administration:**

Office, Superintendent, Medical, Clerk and Committee:

**Superintendent:**

Salary. ....	\$2,750.00	
Bonus. ....	250.00	
	<hr/>	
		\$3,000.00

**Committee:**

Salaries. ....	\$300.00
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**Medical Inspectors:**

Salaries. ....	\$1,000.00
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**Clerk:**

Salary. ....	\$714.00
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Total Administration. ....	<hr/>	\$5,014.00
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**General Administration—Continued****School Agent:**

Salary.....	\$700.00
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**Office Supplies:**

Bangor Co-Operative Ptg. Co., bills, etc.....	\$48.25	
Burr, T. W., Ptg. and Adv. Co., letterheads, pay rolls, etc.....	50.05	
Cannon & Co., directories.....	12.00	
Sullivan, Dan T., letter file, paper, etc.....	31.11	
	<hr/>	\$141.41

**All Other:**

Bangor Rubber Stamp Co., repairs to self inker.....	\$1.65	
	<hr/>	
Total Office Supplies.....		\$143.06

**Teachers' Salaries:**

High School.....	\$47,943.99
Common School.....	96,590.03

**Text Books and Supplies:****Text Books:**

Allyn & Bacon.....	\$307.90
Appleton, D. & Co.....	80.80
American Book Co.....	1,106.47
Andrews Music House Co.....	8.48
Babb, Edward E. & Co.....	352.99

## Text Books and Supplies—Continued

Birchard, C. C. & Co.....	59.34
Browne, S. W.....	18.50
Dutton, E. P. & Co.....	1.71
Empire New England Co.....	37.00
Fischer, Carl.....	.46
Fischer, J. & Bro.....	20.38
Fox, Sam. Pub. Co.....	1.55
Ginn & Co.....	560.40
Goodyear-Marshall Pub. Co.....	8.94
Heath, D. C. & Co.....	697.92
Houghton Mifflin Co.....	71.61
Lewiston Journal Co.....	40.00
Little, Brown & Co.....	139.07
Longmans, Green & Co.....	46.10
MacMillan Co., The.....	493.71
McGraw-Hill Book Co.....	1.39
Merriam, E. A.....	11.75
Merrill, Chas. E. Co.....	27.45
Palmer, The A. N. Co.....	145.44
Pitman, Isaac & Sons.....	81.79
Rand McNally & Co.....	45.62
Rowe, The H. M. Co.....	1.05
Sanborn, Benj. H. & Co.....	80.17
Schirmer, G. Inc.....	4.71
Scott, Foresman & Co.....	173.16
Scribner's, Chas. Sons.....	91.20
Silver-Burdett & Co.....	663.55
Willis Music Co., The.....	1.25
Winston, The John C. Co.....	33.36
World Book Co.....	74.07
	<hr/>
	\$5,489.29

## School Supplies:

Atkinson, Mentzer & Co., Class rec. bd.....	\$15.00
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## Text Books and Supplies—Continued

Babb, Edward E. & Co., pencils, ink, etc. ....	216.37
Bacon, John H., printing school supplies. ....	34.75
Baker, E. G., ink. ....	3.50
Bangor Co-Operative Ptg. Co., printing school supplies. ....	272.00
Bradley, Milton Co., paper, cray- ons, etc. ....	1,177.56
Burr, T. W., Ptg. & Adv. Co., printing school supplies. ....	150.53
Curtis & Tupper, bandages, etc. ....	.65
Denoyer-Geppert Co., maps. ....	12.00
Devoe & Raynolds Co., Inc., paints	3.35
Dillinghams', paper, cards, envel- opes. ....	83.05
Dowling School Supply Co., paper.	224.54
Earle, Frank W., rubber stamps. ....	2.00
Fischer, Carl Music House, music stand. ....	7.50
Furbush Ptg. Co., printing appoint- ments—cadets. ....	10.75
Gerrity, J. F. & Co., cardboard. ....	7.50
Glass, Chas. H. Co., cards. ....	28.35
Hall, Edwin O., drawing supplies. . .	57.28
Hammett, J. L. Co., paper, pencils, etc. ....	1,410.23
Holden Patent Book Cover Co., portfolios. ....	40.72
Kenney Bros. & Wolkins, crayons .	9.92
Knott, L. E. Apparatus Co., lab- oratory supplies. ....	92.40
McCormack, R. L., maps of Maine .	35.00
McKinley Publishing Co. ....	6.44

**Text Books and Supplies—Continued**

Nichols, E. C. Dry Goods Co., silk- ateen .....	.16	
Pfaff, Adolph, pens .....	.60	
Prang Co., The, erasers .....	3.40	
Smith, L. C. & Bros. Typewriter Co., Tabulator stops .....	.50	
Sullivan, Dan T., pens, paper, etc...	486.43	
Sweet, Caldwell Co., laboratory sup- plies .....	22.64	
		<hr/> \$4,415.12

**Cleaning Material:**

Bangor Cleaning Co., dustbane ....	\$86.15	
Cudahy Packing Co., soap polish ...	16.50	
Dallman, H. I. Co., floor brushes, dusters, etc. ....	482.00	
Dolge Disinfectant Co., soap .....	8.50	
Lewis, Samuel, wax oil polish .....	52.00	
Lord Bros., broom .....	2.50	
Masury-Young Co., nodusto .....	156.50	
Pioneer Mfg. Co., The, dust absorb- ent .....	52.53	
Wescott, Geo. I. & Son, soap, pow- der, etc. ....	76.55	
West Disinfecting Co., liquid soap ..	134.25	
		<hr/> \$1,067.48

**Other Supplies:**

Andrews Paper Co., paper .....	\$25.50	
Bangor Co-Operative Ptg. Co., printing School directory .....	20.75	
Boston Specialty Co., floroline .....	11.25	
Bragg, N. H. & Sons, coal scoop, etc. ....	2.11	

## Text Books and Supplies—Continued

Dunham-Hanson Co., shovels, glass, etc.....	7.35	
Dunning, R. B. & Co., baskets, etc.....	4.20	
Electric Dept., lamps, switch.....	29.07	
Fox, Elmer R., oil.....	.75	
Haynes & Chalmers Co., brooms, shovels, etc.....	13.15	
Hayward, Chas. & Co., paper tow- els.....	267.50	
Holden Patent Book Cover Co., paper towels.....	154.80	
Mansfield, Dr. Blanche, supplies for rest room.....	4.19	
Portland Directory Co., Maine Registers.....	6.00	
Rice & Miller Co., paint.....	49.74	
Snow & Nealley Co., oil, rope, etc...	14.40	
Supply Dept., vouchers, bill heads..	7.64	
Thurston & Kingsbury Co., twine..	.91	
Vose, P. H. Co., milk kettle.....	1.35	
West Disinfecting Co., westowls ..	65.00	
		<hr/>
		\$685.66

## Disinfectants:

Orient Spray Co., Orient spray.....	\$259.82	
West Disinfecting Co., Coro-nol- eum.....	85.70	
		<hr/>
		\$345.52

## Typewriters:

Smith, L. C. & Bros., Typewriter Co.....	\$285.00	
Underwood Typewriter Co.....	220.00	
		<hr/>
		\$505.00

**Text Books and Supplies—Continued****All Other:**

Orient Spray Co., Atomizer and repairs.....	\$2.90	
Peavey, F. L., baggage Transfer Co., trucking supplies.....	2.50	
Schwartz, M. Sons, leather belt ....	2.65	
Tracy, Geo. Lowell, rent of music.	2.36	
	<hr/>	\$10.41
Total Text Books and Supplies.		<hr/> \$12,518.48

**Janitors' Service:**

High School.....	\$6,328.30
Common Schools.....	7,266.01

**Fuel and Light:****High School:****Coal:**

Bacon & Robinson Co.....	\$385.01	
Hincks Coal Co.....	986.98	
Stickney & Babcock Coal Co.....	5,135.80	
	<hr/>	\$6,507.79

**Wood:**

Connor Coal & Wood Co.....	\$43.50
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**Gas:**

Bangor Gas Light Co.....	\$154.44
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Total High School.....	<hr/> \$6,705.73
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**Fuel and Light—Continued**

## Common Schools:

## Coal:

Hincks Coal Co.....	\$405.45	
Stickney & Babcock Coal Co.....	8,265.61	
	<hr/>	\$8,671.06

## Wood:

Connor Coal & Wood Co.....	\$488.50	
Morrison, A. D.....	971.50	
Wentworth, Arthur.....	4.00	
Wilson, Herbert L.....	320.00	
Transfer—Wood from Sterns Mills.	55.00	
	<hr/>	\$1,839.00

## Gas:

Bangor Gas Light Co.....	\$7.49
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## Advertising:

Bangor Publishing Co., bids for wood.....	\$5.10
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Total Common School.....	\$10,522.65
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**Maintenance and Repairs:**

## Carpenter Repairs:

Atwood, H. W.....	\$48.75	
Morse & Co., lumber.....	103.51	
Morse, F. S.....	16.65	
Patten, I. P.....	1,513.53	
Reid, Geo. W.....	711.33	
	<hr/>	\$2,393.77

**Maintenance and Repairs—Continued****Painting Repairs:**

Atkins Bros.....	\$9.50	
Atwood, H. W.....	191.25	
Berry, John F.....	122.09	
Dunning, R. B. & Co., paint.....	3.38	
Eldridge, Fred E. Co.....	960.82	
Haynes & Chalmers Co., paint.....	2.20	
Rice & Miller Co., paint.....	94.36	
Snow & Nealley Co., paint.....	13.23	
	<hr/>	\$1,396.83

**Plumbing Repairs:**

Babb, C. H. & Co.....	\$982.84	
Dyer & Rounds.....	53.83	
Fairbanks Bros.....	66.17	
Kaustin Co., Inc.....	484.60	
	<hr/>	\$1,587.44

**Heating Repairs:**

Atwood, H. W.....	\$12.25	
Atwood & Morrill.....	9.12	
Babb, C. H. & Co.....	441.93	
Dunham-Hanson Co.....	1.00	
Dunning, R. B. & Co.....	13.55	
Lewis, H. R. & Co.....	.75	
Snow & Nealley Co.....	14.36	
Union Iron Works.....	6.49	
Wood & Bishop Co.....	786.19	
	<hr/>	\$1,285.64

**Cleaning and Material for Cleaning:**

Atwood, Horace W., cleaning.....	\$5.00
Emerson, Alonzo, cleaning.....	5.00

## Maintenance and Repairs—Continued

Hanson, Mrs. Margaret, cleaning.	7.50	
Hart, Burton A., cleaning.....	32.00	
Hazelton, B. E., cleaning.....	10.00	
Leathers, Mrs. Geo. M., cleaning...	7.00	
Morrison, A. D., cleaning.....	4.00	
Orient Spray Co., Orient spray....	92.90	
Puritan Oil & Paint Co., cleaner....	51.62	
Quirk, Edward M., cleaning.....	7.00	
Russell, Mary, cleaning.....	8.00	
Swift & Co., washing powder....	6.88	
Toole, John B., cleaning.....	7.00	
Watson, Albert, cleaning.....	5.00	
Watson, Chas., cleaning .....	4.00	
		<hr/>
		\$252.90

## Other Repairs:

Atkins Bros., glass and labor.....	\$59.11
Bangor Window Shade Co., repair- ing shades.....	12.50
Bragg, N. H. & Sons, steel.....	2.76
Chandler & Co., repairing curtains	11.82
Dill, L. W., repairing and painting flag poles.....	51.29
Dole Co., The, electrical repairs ....	163.03
Dunham-Hanson Co., material for repairs.....	84.72
Dunning, R. B. & Co., material for repairs.....	32.89
Dyer & Rounds, repairing drinking fountain.....	.50
Eldridge, Fred E. Co., glass, putty, etc.....	84.25
Emerson, J. S., mason repairs.....	458.24
Finn, John B., roof repairs.....	26.05

**Maintenance and Repairs—Continued**

Gorham, W. H. Co., glass, putty, etc. ....	10.01
Hanson, Mrs. Margaret, repairs. ....	.75
Haynes & Chalmers Co., material for repairs. ....	28.15
Hodgkins & Fiske Co., shades and furniture repairs. ....	147.08
Howard, The, E. Clock Co., repair- ing electric clock system. ....	122.26
Hutchins, I. M., repairing clocks ...	6.50
Kenney Bros. & Wolkins, inkwells, iron desk tops. ....	62.45
Lynch, M. & Co., repairs to locks, keys. ....	129.20
Morrison, A. D., repairs. ....	45.60
Pendleton, C. E., electrical repairs. .	3.30
Pol, Bernhard, repairing clocks. ....	9.25
Powers Regulator Co., electric com- pressor. ....	54.20
Rice & Miller Co., material for re- pairs. ....	8.92
Schwartz, M. Sons, material for re- pairs. ....	1.65
Shaw, E. T., repairing cocks. ....	6.00
Snow & Nealley Co., rope, etc. ....	5.22
Spalding, A. G. & Bros., repairs to athletic equipment. ....	17.50
Trask, Allan P., repairing clock ....	6.50
Ward, John M., mason repairs. ....	2.74
Westinghouse Electric & Mfg. Co., repairing motor. ....	71.13
Wheelden, H. L. Co., electrical re- pairs. ....	91.33
Wheelden-Bowden Co., electrical re- pairs. ....	104.36
	<hr/>
	\$1,921.26



**Maintenance and Repairs—Continued****Furniture:**

Hodgkins & Fiske Co., desks, chairs .	\$178.00	
Hogan & Callan, chairs . . . . .	130.68	
Kenney Bros. & Wolkins, chairs, desks . . . . .	197.60	
Sawyer, A. C., kindergarten tables and chairs . . . . .	10.00	
Smith, L. C. & Bros. Typewriter Co., typewriter tables . . . . .	12.50	
Underwood Typewriter Co., Type- writer tables . . . . .	6.00	
		<hr/>
		\$534.78

**All Other:**

Bradbury, C. E., trucking . . . . .	\$115.75
Bunker, E. T., removing ashes . . .	20.25
Casey, Francis T., carting ashes . .	64.75
Derby, G. B. Co., moving goods and piano . . . . .	7.50
Dillingham's, ink well . . . . .	2.85
Gulf Refining Co., cup grease . . . .	.60
Hanson, Mrs. Margaret, taking off outside windows, etc . . . . .	11.65
Haynes & Chalmers Co., pails, tubs, etc . . . . .	6.81
Kaustine Co., Inc., kaustine . . . . .	10.00
Kelley, Frank B., removing ashes .	15.00
McDonald, H. E., Kerosene oil . . .	1.75
McKenney, Galen & Son, grinding lawn mower . . . . .	1.00
Morrison, A. D., cleaning vaults, putting on storm windows, etc .	132.95
Mulvaney Bros., making moving picture screen . . . . .	17.13

**Maintenance and Repairs—Continued**

Pol, Bernhard, clock . . . . .	8.00	
Quirk, Edward M., removing ashes	7.00	
Rice & Miller Co., step ladder . . . . .	3.29	
Royal Typewriter Co., repairs to typewriter . . . . .	1.00	
Shaw, E. T., clock . . . . .	10.00	
Thayer, Ralph K., labor on scenery, high school stage . . . . .	5.25	
Union Iron Works, shaker handles . . . . .	3.00	
White, S. A., carting . . . . .	103.25	
Wood & Bishop Co., water cooler, pails, etc. . . . .	25.25	
		<hr/>
		\$574.03

Total Maintenance and Repairs . . . . .	\$9,946.65
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**Manual Training:****Lumber:**

Morse & Co. . . . .	\$513.72
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**Tools:**

Bragg, N. H. & Sons . . . . .	\$2.50	
Brown & Sharpe Mfg. Co. . . . .	3.61	
Dunham-Hanson Co. . . . .	13.25	
Haynes & Chalmers Co. . . . .	43.83	
Morse & Co. . . . .	3.83	
Sheldon, E. H. & Co. . . . .	40.31	
Union Iron Works . . . . .	7.33	
		<hr/>
		\$114.66

**Manual Training—Continued****Repairs to Tools:**

Bragg, N. H. & Sons, cutters for lathe tool.....	3.00	
Haynes & Chalmers Co., saw blades	.98	
Noyes, C. A., filing saws.....	22.25	
	<hr/>	\$26.23

**Miscellaneous Supplies:**

Bragg, N. H. & Sons, steel.....	\$8.83	
Dunham-Hanson Co., paint, screws, etc.....	31.36	
Hall, Edwin, drawing supplies.....	120.55	
Haynes & Chalmers Co., paint, screws, etc.....	113.99	
Liggett, Louis K. Co., bandages, tape, etc.....	2.05	
Penobscot Foundry Co., castings, etc.....	45.05	
Rice & Miller Co., varnish, glue, etc.....	12.25	
Schwartz, M. Sons, yarn.....	1.50	
Sweet, Caldwell Co., denatured al- cohol.....	2.00	
	<hr/>	\$337.58

**All Other:**

Union Iron Works, bending iron....	\$2.50	
	<hr/>	
Total Manual Training.....		\$994.69

**Domestic Science:****Dry Goods:**

Adams Dry Goods Co.....	\$100.22	
Freese, A. Langdon.....	6.86	
Nichols, E. C. Dry Goods Co.....	1.55	
	<hr/>	\$108.63

**Groceries:**

Bangor Dairy Co.....	\$34.20	
Bradley's Fish Market.....	6.02	
Chapman, G. A.....	20.14	
Fox, Elmer R.....	18.26	
Frank Grocery Co.....	24.73	
Gallagher Bros.....	18.35	
Lord Bros.....	34.45	
Jones' Sea Food Market.....	5.83	
Lynch, C. J.....	7.24	
McDonald, H. E.....	49.40	
Morrill, C. W.....	3.28	
Morrill's Fish Market.....	.88	
Murray Bros. Co.....	6.75	
Robinson, S. H. & Son.....	24.41	
Wilde, E. W.....	43.51	
Winchester, C. F.....	94.11	
	<hr/>	\$391.56

**Ice:**

Getchell Bros.....	\$22.80
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**Milk and Cream:**

Lewis, L. L.....	\$32.80
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**Domestic Science—Continued****Laundry:**

Empire Steam Laundry . . . . .	\$16.60
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**Equipment:**

Bangor Stoneware Co., dishes . . . . .	\$2.14	
Singer Sewing Machine Co., needles . . . . .	.90	
Vose, P. H. Co., dishes . . . . .	17.29	
	<hr/>	\$20.33

**Miscellaneous:**

Bean, O. Crosby, patterns, etc. . . . .	\$7.77	
Nichols, E. C. Dry Goods Co., patterns . . . . .	2.35	
	<hr/>	\$10.12

Total domestic science . . . . .	\$602.84
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**Night School:**

Salaries . . . . .	\$1,155.91
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**Supplies:****Domestic Science:**

Fox, Elmer R. . . . .	\$7.95	
Lewis, L. L., milk and cream . . . . .	1.80	
Lynch, C. J., groceries . . . . .	2.78	
Robinson, S. H. & Son, groceries . . . . .	6.50	
Winchester, C. F., groceries . . . . .	10.00	
	<hr/>	\$29.03

**Night School—Continued****School Supplies:**

American Book Co., Intro blanks...	\$7.78	
Bangor Co-Operative Ptg. Co., printing circulars.....	9.25	
Burr, T. W., Ptg. & Adv. Co., print- ing record cards.....	7.95	
	<hr/>	\$24.98

**Manual Training:**

Bragg, N. H. & Sons, countersink and drill.....	\$3.00
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**Text Books:**

Pitman, Isaac & Sons.....	\$11.72
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Total night school supplies . . . \$68.73

**Incidental:****Trucking and Freight:**

Atlantic Express Co., freight .....	\$3.57	
Bradbury, Chas. E., freight .....	96.00	
Derby, G. B. Co., trucking.....	2.35	
Grant, F. H. Transfer, trucking....	8.15	
Peavey, F. L. Transfer, trucking ...	35.75	
Stevens, F. E., trucking.....	1.50	
White, S. A., trucking.....	86.50	
	<hr/>	\$233.82

**Teams:**

Kane, Michael.....	\$147.00
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**Telephone:**

New England Tel. & Tel. Co.....	\$199.39
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## Incidental—Continued

## Insurance:

Baker & Hodge.....	\$52.80
Black, A. H. ....	115.50
Blake, Barrows & Brown.....	47.65
Boyd, J. Herbert.....	42.24
Bright, J. M. ....	42.35
Byrnes, P. J. ....	42.24
Curran, Wm. F. Co.....	52.94
Dyer, Ralph A. ....	26.40
Freeland, Geo. B. ....	26.40
Gallagher, Hugh T. ....	42.24
Kirstein, Louis & Sons.....	69.70
Lord, Henry & Co. ....	26.40
McClure, J. W. & Sons.....	330.60
Mullen, Chas. C. ....	26.40
Palmer, W. W. ....	67.25
Pearl & Dennett Co. ....	69.90
Singleton, J. F. Co.....	52.80
Somers, L. W. Co. ....	42.36
Stewart, Chas. M. ....	26.40
Tyler, L. C. & Sons Co.....	68.64
	<hr/>
	\$1,271.21

## School Census:

Belding, Marguerite H., Illiterate ..	\$10.00
Boyd, Elmer T., Ward 7.....	44.36
Eaton, Hal R., Ward 2.....	22.44
Hayes, Alden B., Ward 1.....	31.89
Mitchell, Peter W., Ward 3.....	40.62
Proctor, Clarence W., Ward 5.....	19.64
Trickey, Harold A. M., Ward 6.....	19.69
Varney, Geo. N., Ward 4.....	26.00
	<hr/>
	\$214.64

## Incidental—Continued

## Printing:

Bass, J. P. Pub. Co., Junior Exhibition programs.....	\$9.50	
Burr, T. W. Ptg. & Adv. Co., names in diplomas.....	39.00	
Furbush Ptg. Co., The, graduation programs.....	40.00	
Howard & Brown, names in diplo- mas, engraving names.....	37.56	
		<hr/>
		\$126.06

## Vaccinating:

Osgood, H. W., M. D.....	\$1.00
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## Trips Out of City:

Eaton, H. R.....	\$21.03	
Wormwood, D. Lyman.....	285.45	
		<hr/>
		\$306.48

## Moving Picture Machine:

Kenney, H. E., installing machine and construction of booth.....	\$20.00	
Leland Theatre Supply House, mov- ing picture machine.....	357.22	
		<hr/>
	\$377.22	
Credit.....	100.00	
		<hr/>
		\$277.22

## All Other:

Bangor Rubber Stamp Co., repairs to self inker, pad.....	\$1.55
Bass, J. P. Pub. Co., advertising ..	9.90



## Incidental—Continued

Bragg, N. H. & Sons, screws, drill .	1.05	
Brown, W. I., tickets . . . . .	15.25	
Bruce Pub. Co., The, subscription School Board Journal . . . . .	2.00	
Buckley, James E. Jr., expense to Waterville speaking contest . . .	3.62	
Crook, L. D., tuning piano . . . . .	13.00	
Earle, Frank W., rubber stamp . . .	.40	
Eaton, H. R., expenses of debating team to Hebron . . . . .	43.20	
Freese, A. L., ribbon . . . . .	39.61	
Goldthwait, John, taking tickets .	3.00	
Graffam, W. L., et als, removing ice from gutters—First St. school house . . . . .	5.00	
Gray, Ed., making stage . . . . .	30.00	
Haynes & Chalmers Co., material for repairs . . . . .	15.06	
Hodgkins & Fiske Co., loan of chairs . . . . .	4.20	
Maynard, Albert, removing ashes . .	8.25	
McCabe, John C., tree for Longfel- low school . . . . .	3.00	
Morse & Co., wooden guns . . . . .	16.98	
Robinson, Miss Mary C., trip to Lewiston . . . . .	10.05	
Schwartz, M. Sons, wire lace . . . . .	1.20	
Scribner, Miss Stacia J., trip to Waterville . . . . .	7.87	
Smith, Geo. W., expense to Water- ville speaking contest . . . . .	3.62	
Sweet, Caldwell Co., ammonia . . . .	.30	
Towle, J. N. & Co., salt . . . . .	3.88	
White, S. A., carting ashes . . . . .	18.00	
		\$259.99
Total incidental . . . . .		\$3,036.81

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## CITY OF BANGOR

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**Conveyance:**

## Conveyance:

Smith, Mrs. F. H. C. ....	\$392.00
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**Water:**

## Pump:

Babb, C. H. & Co. ....	\$200.00
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## Drinking Cups:

Stone & Forsyth Co. ....	\$89.13
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Total water. ....	\$289.13
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**Rent of Buildings for School Purposes:**

## Rent:

Greeley, Mrs. Clara B. ....	\$250.00
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Tuck, W. M. ....	90.00
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Total rent of buildings for school purposes. ....	\$340.00
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**LIBRARIES****Libraries:**

Appropriation by City. ....	\$11,000.00
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Granted by State. ....	500.00
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## RECREATION

## Parks and Gardens:

## Maintenance and Operation:

Salaries and Wages.....	\$3,267.30
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## Supplies:

Dunning, R. B. & Co., lawn seed ...	\$6.88
Eastern Cement Co., cement.....	8.00
Farrington, Dana, sand.....	1.00
Fottler, Fiske, Rawson Co., seed ...	.45
	<hr/>
	\$16.33

## Repairs:

Ames Plow Co., repairs for lawn mower.....	\$2.25
Bachelder, E. A., lawn mowers sharpened.....	1.50
Bragg, N. H. & Sons, steel, bolts ...	.64
Carter, A. J., saws filed.....	5.20
Dunning, R. B. & Co., repairs for mowers.....	19.79
Harvey Hardware Co., turpentine..	.60
Heal, L. G., repairing mowing machine.....	2.90
Kendall & Winch Co., sharpening mowers.....	4.25
McKenney, Galen, sharpening mowers.....	14.20
McNeil, R. D., repairing lawn mowers.....	12.50

**Parks and Gardens—Continued**

Rice & Miller Co., paint.....	5.07	
Ryan, Frank, repairing harness ....	5.50	
Utterback-Gleason Co., washers...	1.57	
	<hr/>	\$75.97

**Equipment:**

Bragg, N. H. & Sons, tools .....	\$4.70	
Dunning, R. B. & Co., rakes, mow- ers, etc.....	32.60	
Iverson, W. C., lawn mower.....	7.00	
Thurston & Kingsbury Co., hose, sprinkler, etc.....	4.85	
Utterback-Gleason Co., sweat col- lar, pad.....	1.60	
	<hr/>	\$50.75

**Hay and Grain:**

Lawson-Spinney Co., hay, straw...	\$69.26	
Milliken, James Co., grain .....	7.60	
Moor, Geo. L. & Son, hay.....	28.89	
Towle, J. N. & Co., grain.....	103.25	
	<hr/>	\$209.00

**Horse Shoeing:**

Grant, Asa T.....	\$12.35
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**All Other:**

American Express Co., express.....	\$ .42
Babb, C. H. Co., repairs on pond in Broadway Park.....	15.45
Bragg, N. H. & Sons, Mobiloil.....	8.06
Crocker, Mrs. J. H., damage to chimney.....	5.00

**Parks and Gardens—Continued**

Dunning, R. B. & Co., bags.....	.50	
Haynes & Chalmers Co., oil and brush.....	2.21	
Lynch, M. & Co., repairs to lock, keys.....	1.55	
Sullivan, Dan T., stamp pad.....	.40	
Utterback-Gleason Co., oil.....	.85	
Woolworth, F. W. Co., time books..	.15	
	<hr/>	\$34.59
Total parks and gardens.....		\$3,666.29

**Moth Extermination:**

Salaries and Wages.....	\$278.18
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**Hay, Grain and Straw:**

Lawson Spinney Co., hay.....	\$36.66	
Moor, Geo. L. & Son, straw .....	1.93	
Towle, J. N. & Co., grain.....	33.50	
	<hr/>	\$72.09

**Repairs to Tools:**

Carter, A. J. ....	\$.60
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**Horse Shoeing:**

Grant, Asa T. ....	\$5.10
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**Supplies:**

Haynes & Chalmers Co., paint, oil, brushes.....	\$13.57	
Utterback-Gleason Co., harness oil .	.85	
Woolworth, F. W. Co., whisk brooms.....	.20	
	<hr/>	\$14.62

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## CITY OF BANGOR

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**Moth Extermination—Continued**

## All Other:

Lynch, M. & Co., lock for tool  
room.....\$3.75

Total moth extermination.....

\$374.34

**Celebrations and Entertainments:**

## Band Concerts:

Bangor High School Band.....  
Bangor Band.....

\$100.00

600.00

Total Band Concerts.....

\$700.00

## All Other:

## Concerts July 4th:

Bangor Band.....

\$150.00

**UNCLASSIFIED****Damages to Persons and Property:**

## Damages to Property:

Barker, Alson J.....  
Kazlenekas, Joseph.....

\$400.00

5.20Total damages to persons and  
property.....

\$405.20

**Memorial Day:**

## Memorial Day:

Garnsey, Frank A.....

\$400.00

**Contingent—Payments not included in other Classification:****Harbor Master:**

Salary . . . . .	\$400.00
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**Superintendent of Clocks:**

Salary . . . . .	\$150.00
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**Pensions:**

Bell, Michael . . . . .	\$300.00
Blake, Elishas . . . . .	300.00
Curran, Nicholas . . . . .	300.00
McDonald, Mrs. Ellen . . . . .	271.37
Riley, Mrs. Elizabeth . . . . .	300.00
Shine, John . . . . .	300.00
Toole, Michael . . . . .	300.00
Woodbury, Chas. A. . . . .	300.00
	<hr/>
	\$2,371.37

**Care of Children—County Agent:**

Adams, Mrs. Alex, board of David O'Connor . . . . .	\$53.73
Adams, D. W. Co., coat, Avis Dod- well . . . . .	16.50
Bagley, James E., transportation, Edna Page . . . . .	6.43
Besse-Ashworth Co., clothing . . . . .	20.56
Bigelow, Mrs. Belle M., board— Helen Harris . . . . .	49.70
Chadwick, Mary E., conveyance, Helen Harris . . . . .	6.00
Clark, Chas. E., clothing—Helen Harris . . . . .	14.21
Crowley, Miss Grace, board—Wal- ter O'Connor . . . . .	71.41

## Contingent—Continued

Dugan, P. T. & Co., suitcase—	
Edna Page.....	2.75
Freese, A. Langdon, hose.....	5.52
Gordan, L. B., shoes and rubbers...	5.64
Hamm, Mrs. Flora E., board	
Haney children.....	160.71
Hamm, Mrs. Leamon, board, Helen	
Harris.....	1.14
Maine Children's Home Society,	
board Edna Page.....	10.50
New England Home for Little	
Wanderers, board, Edna Page,	
clothing.....	63.76
Nichols, E. C. Dry Goods Co., shoes	11.15
Philbrook, Beulah, auto hire, re-	
pairing shoes.....	2.15
St. Michael's Orphanage, board	
Margaret O'Connor.....	69.27
Star Store, The, hats.....	5.45
Sugden, C. R. Shoe Co., shoes and	
rubbers.....	12.40
Sweet, Caldwell Co., prescription...	2.00
Temple, Mrs. I. C., board, Winfield	
Simmons.....	71.41
Waterman, J. Co., clothing.....	26.78
Woods, Jarvis B., M. D., office calls,	
Winfield Simmons.....	4.00
	<hr/>
	\$693.17

## Mothers' Aid:

American Railway Express Co., ex-	
press on vouchers.....	1.25
Bangor Post Office, stamps.....	5.00
Hennessy, Kathleen, Clerk and car	
fares.....	146.36



**Contingent—Continued**

Sullivan, Dan T., binder, pencils, file, etc.....	13.72	
	<hr/>	\$166.33

**Soldiers' Relief:**

American Railway Express Co., express on vouchers.....	\$ .64	
Bangor Post Office, stamps.....	5.00	
Burr, T. W., Ptg. & Adv. Co., print- ing blanks.....	11.30	
Sullivan, Dan T., pencils, rubber bands, etc.....	.98	
Supply Dept., vouchers, bill heads, etc.....	14.60	
	<hr/>	\$32.52

**City Council Orders:**

Bangor Chamber of Commerce, entertainment of grangers.....	\$100.00	
Bangor Yacht Club, public landing	100.00	
Eastman, John, repairs on police patrol.....	21.00	
Lawson, Theodore, et als, land near New St.....	400.00	
McGuire, James, cement wall.....	35.00	
Scribner, The Artesian Well Co., well in Little City Park.....	650.00	
	<hr/>	\$1,306.00

**Insurance on Court Street Building and Armory:**

Baker & Hodge, Court St. Bldg ....	\$101.00
Byrnes, P. J., Court St. Bldg.....	45.40
McClure, J. W. & Son, Court St. Bldg.....	101.00

## Contingent—Continued

Pearl & Dennett Co., Court St. Bldg.....	21.70	
Stewart, Chas. M., Armory.....	24.36	
Tyler, L. C. & Sons Co., black- smith shop, Court St.....	37.50	
	<hr/>	\$330.96
Mount Pleasant Hearse:		
Jones, H. C., painting runners.....	\$10.00	
Kane, Michael, painting hearse ....	80.00	
Mason, John & Son, hanging up and hanging down hearse.....	19.00	
Shtrachman, Barney, hanging down hearse and repairs.....	13.50	
	<hr/>	\$122.50
City Clocks:		
Burpee, A. J., cleaning and paint- ing .....	\$10.75	
Gorham, W. H. Co., paint.....	5.95	
	<hr/>	\$16.70
Newbury Street School House:		
Reid, Geo. W., repairs.....	\$93.36	
Tyler, L. C. & Sons Co., insurance..	170.06	
	<hr/>	\$263.42
Credit: Refund on insurance.....	69.96	
	<hr/>	\$193.46
Traffic Regulations:		
Bangor Publishing Co., advertis- ing.....	\$133.24	
Bass, J. P. Pub. Co., advertising ..	96.00	
	<hr/>	\$229.24

## Contingent—Continued

## Annual Reports:

Bangor Co-Operative Ptg Co.....	\$1,008.60
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## Water Furnished Charitable Institutions:

Water Department.....	\$2,352.60
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## Central Street Laying Out:

Bangor Publishing Co., advertising	\$28.50	
Bass, J. P. Pub. Co., advertising ..	24.50	
Black, A. H., appraiser of Stetson Bldg.....	25.00	
Bowler, John T., Ex. title of Staples block.....	3.00	
Nelson, Otto, estimating value of changes to Stetson block ....	75.00	
Pearl & Dennett Co., Appraiser of Stetson block.....	25.00	
	<hr/>	\$181.00

## All Other:

Bangor Publishing Co., advertising proposals for printing.....	2.55
Bass, J. P. Publishing Co., advertising.....	11.00
Blackwell, John N., trucking chairs from Davenport Park.....	.75
Blake, Barrows & Brown, School bond.....	47.00
Bowler, John T., abstract of title on property back of high school...	6.00
Cannon & Co., Directory for milk inspector.....	3.00
Crossman, W. B., wood.....	29.50

**Contingent—Continued**

Douglass, Frank M. et als, Referees, sheep killed by dogs . . . . .	20.00	
Eastern Fuel Co., wood . . . . .	.22	
Foley, J. E. Co., groceries . . . . .	5.00	
Freese, A. L., clothing . . . . .	6.33	
Gallagher Bros. groceries . . . . .	5.00	
Gurley W. & L. E., supplies for City Sealer . . . . .	14.42	
Hobbs & Warren, sealers duplicate certificate books . . . . .	6.40	
Kimball & Nickerson, shoes . . . . .	27.85	
New England Tel. & Tel. Co., tele- phone . . . . .	14.67	
Palmer, W. W., School bond . . . . .	26.60	
Pearl & Dennett Co., School bond . . . . .	6.00	
Sugden, C. R. Shoe Co., overshoes, rubbers . . . . .	5.75	
Supply Dept., Requisition book for County Agent . . . . .	.32	
Withee, Ansel, moving seats from Abbott Sq. park . . . . .	.75	
	<hr/>	\$239.11
Total contingent . . . . .		<hr/> \$9,793.56

**PUBLIC SERVICE ENTERPRISES****Electric Department:****Maintenance and Operation:**

Salaries and Wages . . . . .	\$16,650.36
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**Fire Alarm:**

American Railway Express Co., express.....	\$7.86	
Bragg, N. H. & Sons, taps and drills.....	.64	
Bryant, W. C., repairing fire alarm contacts.....	.75	
Derby, G. B. Co., trucking.....	14.20	
Dole Co., The, conduit.....	.98	
Dunning, R. B. & Co., hardware....	.98	
Eastern Steamship Corp. freight ...	.67	
Gamewell Fire Alarm Telegraph Co., fire alarm box, etc.....	416.16	
Goode & Driscoll, suppers.....	1.60	
Haynes & Chalmers Co., brush and oil.....	1.52	
Holtzer-Cabot Electric Co., striker movements, etc.....	44.90	
Lewis Electrical Supply Co., fuse links.....	120.13	
Maine Central R. R. Co., freight ...	11.26	
Penobscot Foundry Co., castings...	21.00	
Pettingell-Andrews Co., sockets....	8.64	
Schwartz, M Sons, leather belt....	1.17	
Union Iron Works, special springs .	11.24	
Western Electric Co., cable.....	2,575.60	
Westinghouse Electric & Mfg. Co., transformer.....	24.00	
Wetmore-Savage Co., Junction boxes, etc.....	584.97	
	<hr/>	
	\$3,848.27	
Credit.....	71.32	
	<hr/>	
		\$3,776.95

**Electric Department—Continued****Police Signals:**

Dole Co., The, sal ammoniac . . . . .	\$10.33	
Gamewell Fire Alarm Telegraph Co., main spring shaft and stamp . . . . .	6.59	
Maine Central Railroad . . . . .	2.01	
Pettingell-Andrews Co., cylinders, etc . . . . .	24.20	
Sweet, Caldwell Co., sal ammoniac .	32.50	
United Electric Supply Co., dry cells . . . . .	36.25	
Wetmore-Savage Co., glass balls . .	21.20	
	<hr/>	
	\$133.08	
Credit: Transferred to Police Dept.	125.98	
	<hr/>	\$7.10

**Team Equipment:**

Charity Dept., hay . . . . .	\$52.89	
Cutter, Leslie W., repairs on stalls . .	28.79	
Grant, Asa T., horse shoeing . . . . .	28.25	
Hopkins, A. R. Co., oats . . . . .	131.90	
Moor, Geo. L. & Son, hay and straw	10.11	
Morse & Co., salt bricks . . . . .	1.05	
Ryan, Frank, repairing collar and bridle . . . . .	2.50	
Thoms, H. B., tires . . . . .	7.50	
Utterback-Gleason Co., chamois, brushes, etc . . . . .	5.00	
	<hr/>	\$267.99

**Electric Department—Continued****Inside Wiring:**

American Railway Express Co., express.....	4.78
Atlantic Express Co., express.....	3.06
Derby, G. B. Co., trucking.....	5.85
Dole Co., The, electrical supplies...	34.04
Gallupe, D. M., cushion cage.....	11.50
General Electric Co., motor and re- pairs.....	208.94
Gerrity, J. F. & Co., bronzing bras- colite fixtures.....	1.00
Lewis Electrical Supply Co., fuses, sockets.....	90.34
Maine Central Railroad, freight....	17.96
Pettingell-Andrews Co., sockets, switch, etc.....	12.32
Postal Telegraph Co., telegram.....	.55
Wahn, Geo. H. Co., plugs, cord, etc.	16.28
Westinghouse Electric & Mfg. Co., heaters.....	83.99
Wetmore-Savage Co., lamps.....	231.60
Wheelden-Bowden Co., wiring City Hall.....	508.53

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 \$1,230.74

Credit: Transferred to other depts. 1,033.64

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 \$197.10
**Line Material:**

American Railway Express Co., ex- press.....	\$23.89
Atlantic Express Co., express.....	1.32
Bangor Window Shade Co., fixing up maps.....	2.00

## Electric Department—Continued

Bragg, N. H. & Sons, hammers.....	2.00
Burton-Rogers Co., Inc., voltmeter.	14.69
Derby, G. B. Co., trucking.....	16.00
Dole Co., The, lamp cord.....	.73
Dunham-Hanson Co., rope.....	35.00
Dunning, R. B. & Co., hardware....	.61
Eastern Steamship Corp., freight...	6.31
General Electric Co., panel for compensator.....	25.20
Haynes & Chalmers Co., paint, brushes, etc.....	14.31
Jones, E. W., filing saws.....	1.00
Lynch, M. & Co., padlocks.....	2.45
Maine Central R. R., freight.....	47.58
New England Tel. & Tel. Co.....	41.70
Penobscot Foundry Co., castings...	21.00
Pettingell-Andrews Co., transformers, lightning arrestors.....	496.53
Schwartz, M. Sons, screws.....	2.75
Snow & Nealley Co., blocks.....	3.96
Stuart-Howland Co., fixtures, etc...	77.31
Thurston & Kingsbury Co., saws...	2.25
Wahn, Geo. H. Co., wire, etc.....	198.82
Western Electric Co., transformer platform bolts.....	45.27
Westinghouse Electric & Mfg. Co., friction tape.....	12.25
Wetmore-Savage Co., wire, fixtures, etc.....	719.78
Wheelden-Bowden Co., switch, cut-outs.....	10.00
	<hr/>
	\$1,824.71
Credit: Maintenance of lights on Bangor & Brewer bridge.....	60.00
	<hr/>
	\$1764.71



## Electric Department—Continued

## Power Station:

Adams Dry Goods Co., paper . . . . .	\$7.83
American Railway Express Co., express . . . . .	.52
Arnold, J. M. Shoe Co., rubber boots . . . . .	7.14
Berry & Smith, canvas bonnet for exhaust pipe . . . . .	1.00
Boyd, J. Herbert, insurance . . . . .	62.05
Bragg, N. H. & Sons, hardware . . . . .	6.85
Bright, J. M., insurance . . . . .	21.72
Burr, T. W., Ptg. & Adv. Co., printing station reports . . . . .	32.85
Cassidy, John Co., washing powder . . . . .	6.44
Citizens Ice Co., ice . . . . .	77.00
Cutter, Leslie W., repairs . . . . .	8.90
Derby, G. B. Co., trucking . . . . .	18.35
Dole Co., The, electrical supplies . . . . .	10.08
Dunham-Hanson Co. sandpaper, bit . . . . .	1.37
Dunning, R. B. & Co., paint, lawn seed . . . . .	2.75
Eastern Steamship Corp., freight . . . . .	4.88
Gallagher, Hugh T., insurance . . . . .	17.82
Haynes & Chalmers Co., material for repairs . . . . .	4.71
Lombard-Governor Co., The, oil, leather cups, etc . . . . .	76.40
Lord, Henry & Co., insurance . . . . .	14.85
Maine Central Railroad Co., freight . . . . .	7.09
Maine Plumbing Co., repairing toilet . . . . .	4.07
McKim, R. B. Co., E. wheels . . . . .	1.49

**Electric Department—Continued**

McLean-Jones Oil & Supply Co., wipers.....	38.22
New England Tel. & Tel. Co.....	88.67
Palmer, W. W., insurance.....	19.80
Penobscot Foundry Co., repairs....	107.03
Robinson, Wm. C. & Son Co., Eng. oil.....	88.61
Schwartz, M. Sons, files, saw blades.	12.39
Singleton, J. F. Co., insurance.....	19.80
Snow & Nealley Co., castor oil.....	4.00
Somers, L. W. Co., insurance.....	14.85
Standard Oil Co., of New York, gasoline, kerosene.....	6.80
Stewart, Chas. M., insurance.....	9.90
Thompson Mfg. Co., cogs.....	101.60
Union Iron Works, repairs.....	114.60
Vacuum Oil Co., oil.....	81.50
Wescott, Geo. I. & Son, soap.....	4.50
Woodworth, H. H., repairs.....	24.75
	<hr/>
	\$1,133.18

**Sub-Station:**

Adams Dry Goods Co., paper.....	\$7.85
Baker & Hodge, insurance.....	7.60
Bangor Gas Light Co., gas.....	14.28
Boyd, J. Herbert, insurance.....	29.68
Bragg, N. H. & Sons, hardware...	2.00
Bright, J. M., insurance.....	6.08
Bryant, W. C., repairing clocks....	6.50
Cassidy, John Co., washing powder.	6.44
City Hall Dept., drinking cups.....	1.75
Columbia Towel Supply Co., towels	13.50
Dole Co., The, buttons for switches.	1.19
Dunham-Hanson Co., steel tape ..	4.25

**Electric Department—Continued**

Dunning, R. B. & Co., snow shov- els, etc. ....	7.40	
Eastern Builders Assn., dust pan . .	.25	
Fleming, John F., oil. ....	1.00	
General Electric Co., charts and pan for voltmeter. ....	5.06	
Harrigan, J. J., re-upholstering couch. ....	44.73	
Haynes & Chalmers Co., hardware .	4.16	
Jones, E. W., filing saws. ....	3.85	
Kirstein, Louis & Sons, insurance. . .	14.84	
Maine Central R. R. Co., freight . .	.67	
McKim, R. B. Co., snow shovels . .	5.85	
New England Tel. & Tel. Co. ....	10.73	
Palmer, W. W., insurance. ....	7.60	
Pearl & Dennett Co., insurance . . .	7.60	
Rice & Miller Co., paint, oil, etc. . .	11.11	
Ryan, Frank, repairing belt. ....	1.00	
Schwartz, M. Sons, files, sawblades.	4.84	
Somers, L. W. Co., insurance. ....	15.20	
Wescott, Geo. I. & Son, soap. ....	4.50	
Wetmore-Savage Co., conduit. ....	4.19	
Winsor, Alfred & Son, fire guns and fluid. ....	20.35	
Wood & Bishop Co., stove repairs . .	2.92	
		<hr/>
		\$278.97

**Coal and Wood:**

Bacon & Robinson Co., coal. ....	\$194.50	
Stickney & Babcock Coal Co., coal .	161.52	
Water Department, coal. ....	540.35	
		<hr/>
		\$896.37

**Electric Department—Continued****Lamps, Incandescent—Street Series:**

Dole Co., The, . . . . .	\$1,413.54
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**Lamps Multiple in Buildings:**

Dole Co., The, . . . . .	\$347.48	
Credit: Transferred to Other		
Depts. . . . .	258.91	
	<hr/>	\$88.57

**Arc Lights:**

American Railway Express Co., ex- press. . . . .	\$ 6.42	
Babb, C. H. & Co., pipe and labor . .	1.98	
Derby, G. B. Co., trucking. . . . .	.75	
Dunning, R. B. & Co., lead pipe. . . .	.24	
General Electric Co., rectifier tubes .	101.80	
Gillinder & Sons, Inc., globes. . . . .	103.95	
Highway Dept., repairing cement sidewalks. . . . .	7.95	
Maine Central R. R. Co., freight . . .	5.89	
Pettingell-Andrews Co., Electrodes, holders, etc. . . . .	615.78	
Wahn, Geo. H. Co., cutout. . . . .	27.00	
	<hr/>	\$871.76

**Miscellaneous:**

Burr, T. W., Ptg. & Adv. Co., print- ing envelopes and letterheads . .	\$ 8.35
Cannon & Co., directory . . . . .	3.00
Cutter, Leslie W., repairs. . . . .	7.72
Derby, G. B. Co., trucking. . . . .	.85
Dole Co., The, lamps. . . . .	.86
Electrical Record, subscription . . .	3.00

**Electric Department—Continued**

Electrical World, subscription . . . . .	5.00	
Hall, Edwin O., triangles, pencils . . .	4.05	
Lewis Electrical Supply Co., dry cells . . . . .	41.25	
Maine Central Railroad, freight . . .	2.10	
Sullivan, Dan T., covers, fillers, etc . . . . .	4.02	
Supply Dept., stamped envelopes, requisition books . . . . .	11.30	
	<hr/>	
	\$91.50	
Credit . . . . .	3.48	
	<hr/>	
		\$88.02

**Auto Maintenance:**

Allen, Edw. M., licenses . . . . .	\$4.00	
Bangor Vulcanizing Co., repairs . . .	101.59	
Bragg, N. H. & Sons, carburetor . .	6.00	
Byrnes, P. J., Liability insurance and auto insurance . . . . .	87.52	
Dunham-Hanson Co., grease, etc . .	40.67	
Rice & Miller Co., paint, etc . . . . .	11.21	
Smith, R. J., auto slip cover . . . . .	5.00	
Standard Oil Co., of New York, gasoline . . . . .	176.45	
Strout, Maynard W., auto repairs . .	215.23	
Stuart-Howland Co., plugs . . . . .	4.20	
	<hr/>	
		\$651.87

**Compensation Insurance:**

Byrnes, P. J. . . . .	\$541.05
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**Electric Department—Continued****Underground Construction:**

Bangor Railway & Electric Co., scrap rail . . . . .	\$48.60
Bragg, N. H. & Sons, steel . . . . .	17.63
Derby, G. B. Co., trucking . . . . .	18.68
Dunham-Hanson Co., tarred paper, nails, etc . . . . .	8.13
Dunning, R. B. & Co., pick axes, pails, etc . . . . .	2.79
Haynes & Chalmers Co., lanterns, washers . . . . .	6.44
Highway Dept . . . . .	599.06
Maine Central R. R., freight . . . . .	47.08
McKim, R. B. Co., Inc., shovels . . . . .	4.00
Morse & Co., lumber . . . . .	29.50
Pay Roll . . . . .	800.46
Penobscot Foundry Co., castings . . . . .	65.10
Pettingell-Andrews Co., conduit, couplings . . . . .	259.50
Rogan, J., labor on Hammond St . . . . .	10.00
Standard Oil Co., of New York, kerosene . . . . .	.85
Wahn, Geo. H. Co., conduit joint . . . . .	180.00

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 \$2,097.82

Credit: B. R. & E. proportional part . . . . .	1,007.08
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 \$1,090.74

**Electric Department—Continued****Flash Boards:**

Morse & Co., lumber . . . . .	\$43.50	
Pay Roll . . . . .	48.40	
Union Iron Works, labor and material . . . . .	51.00	
	<hr/>	\$142.90
Total Electric Department . . . .		<hr/> \$29,861.18

**Water Department:****Maintenance and Construction:****Expense:**

Angley, J. F. & Co., wood . . . . .	\$7.00
Arnold, J. M. Shoe Co., rubber boots . . . . .	27.50
Atkins Bros., painting at Water Works . . . . .	489.41
Bacon & Robinson Co., coal . . . . .	75.60
Babb, C. H. & Co., grate bar . . . . .	5.60
Baker & Hodge Co., insurance . . . . .	73.32
Baker-Vawter Co., binders, guides, etc . . . . .	75.99
Bangor Cast Stone Products Co., pea stone . . . . .	5.62
Bangor Co-Operative Ptg. Co., printing forms and water report . . . . .	91.25
Bangor Gas Light Co., coke . . . . .	8.25
Bangor Motor Co., auto repairs . . . . .	335.14
Bangor Publishing Co., advertising . . . . .	46.75
Bangor Railway & Electric Co., welding water wheel shaft . . . . .	5.25

## Water Department—Continued

Bangor Vulcanizing Co., auto repairs.....	26.25
Barrett Co., The, coal tar.....	12.70
Bass, J. P. Pub. Co., advertising ..	20.34
Bell & Walker Co., material for repairs.....	128.57
Boyd, J. Herbert, insurance.....	34.50
Bradbury, C. E., trucking.....	34.50
Bragg, N. H. & Sons, hardware ...	357.85
Brewer, City of, tax.....	33.00
Brown, W. I., relief for sundry bill paid.....	3,860.88
Builders Iron Foundry, repairing meter, etc.....	76.75
Burr, T. W., Ptg. & Adv. Co., printing bills, letterheads, etc.....	148.27
Burroughs, Adding Machine Co., ribbon coupon book, etc....	8.40
Byrnes, P. J., insurance.....	73.32
Caird, James, services of self and assistant.....	3,004.76
Cannon & Co., directories.....	6.00
Carter, A. J., filing saws.....	1.80
Carter, Ralph E. & Co., welding....	5.90
Casey, Francis T., concrete walks ..	244.27
Cassidy, T. F. & Son, pick poles....	3.60
Chadwick-Boston Lead Co., lead...	240.08
Chapin, Arthur Co., salt, paper, etc.	29.20
Charlton, Wm. J., care of stand-pipe.....	24.00
Childs, O. J. Co., fire extinguishers	51.13
Citizens Ice Co., ice.....	25.60
Clifford, Fred H., readers.....	9.00
Columbia Towel Supply Co., towels	14.60



## Water Department—Continued

Crosby, S. L. Co., batteries, etc . . . .	1.68
Crossman, W. B., wood . . . . .	29.50
Day, H. A., gravel . . . . .	6.00
Dillingham's, paper, ink, etc . . . . .	3.65
Dole Co., The, electrical repairs . . . .	158.63
Dolge, C. B. Co., soap . . . . .	2.69
Dunham - Hanson Co., lanterns, globes, etc . . . . .	53.76
Dunning, R. B. & Co., hardware . . . .	241.19
Eastern Builders Assn., brooms . . . .	15.50
Eastern Cement Co., cement . . . . .	36.30
Eastern Mfg. Co., soda ash . . . . .	22.50
Ebbeson, Arvid L., auto repairs . . . .	14.10
Eddy Valve Co., valves . . . . .	383.86
Eldridge, Fred E. Co., painting . . . .	1,137.20
Electric Dept., labor—thawing machine, lamps . . . . .	73.72
Fairbanks Bros., repairs at stand- pipe . . . . .	32.49
Getchell Bros., ice . . . . .	39.90
Glass, Chas. H. Co., printing forms . .	23.00
Gorham, W. H. Co., picture wire, stain . . . . .	2.24
Graffam, Geo. M., audit . . . . .	200.00
Harvard Envelope Co., wallets . . . .	4.07
Haynes & Chalmers Co., dynamite, nails, etc . . . . .	108.95
Highway Dept., gravel . . . . .	4.00
Hincks Coal Co., coal . . . . .	522.31
Hopkins, A. R. Co., lime . . . . .	326.25
Kirstein, Louis & Sons, insurance . .	1,218.24
Lawson-Spinney Co., straw . . . . .	4.00
Lombard-Governor Co., material for repairs . . . . .	122.24

## Water Department—Continued

Lord, Henry & Co., insurance.....	37.75
Lynch, M. & Co., keys and padlocks.....	3.10
Marble, J. Russell & Co., alkali ....	821.95
Mason, John & Son, repairs.....	1.00
McClure, J. W. & Son, insurance...	12.50
McKenney, Galen, grinding lawnmowers.....	4.95
Morse & Co., lumber, etc.....	1,111.50
Morse, Frank S., carpenter repairs	355.81
Mueller, H. Mfg. Co., test record book.....	.44
Multipost Co., repairs on multipost.....	6.15
Mulvaney Bros., Canvas.....	3.00
Murray Bros. Co., motor oil.....	45.90
National Lead Co., lead.....	208.79
National Meter Co., repairs for meter.....	194.74
New England Tel. & Tel. Co.....	221.34
New York Continental Jewell Filtration Co., strainers, valves...	243.00
Noyes & Nutter Mfg. Co., galv. iron, pails, etc.....	14.78
Palmer, W. W., insurance.....	73.33
Pay Roll, Supt. and Clerk .....	4,700.00
Pay Roll.....	30,764.23
Pennsylvania Salt Mfg. Co., chlorine, sulphate alumina.....	10,531.44
Penobscot Foundry Co., service box sleeves, tops, etc.....	952.34
Pol, Bernhard, repairing clock .....	1.50
Reid, Geo. W., carpenter repairs....	64.03

## Water Department—Continued

Rice & Miller Co., nails, trowel, etc.....	13.74
Royal Typewriter Co., Typewriter, coupon book.....	64.50
Ryan, Frank, harness repairs.....	27.05
Savage, T. R. Co., Hhds.....	4.00
Schwartz, M. Sons, hose, waste, etc.....	232.78
Sherman Envelope Co., envelopes .	53.90
Sinclair, M. A., board of horse, use of auto.....	500.04
Singleton, J. F. Co., insurance.....	96.35
Smith & Leighton, horse shoeing...	15.70
Smith, L. C. & Bros. Typewriter Co., typewriter ribbon.....	1.00
Smith, Mark I., repairs to Dodge...	2.25
Smith, S. Morgan, repairs for wheel.	115.00
Smith & West, electrical repairs...	6.95
Snow & Nealley Co., storm coats, rope, etc.....	113.37
Standard Envelope Sealer Mfg. Co., moistening wicks.....	1.52
Standard Oil Co. of New York, oil tank, gasoline, kerosene.....	384.42
Stickney & Babcock Coal Co., coal .	3,611.99
Sullivan, Dan T., office supplies...	39.45
Sullivan, Thomas E., care of fish way.....	50.00
Supply Dept., vouchers.....	2.84
Sweet, Caldwell Co., Pyro.....	32.50
Thompson Meter Co., water meters, repairs.....	165.75
Thoms, H. B., repairing carts and truck.....	66.39
Thurston & Kingsbury Co., nails...	14.75
Tibbetts, D. G., repairs on stand- pipe.....	16.32

## Water Department—Continued

Transfer—Emergency Fund.....	10,686.92	
Treasury Dept., adding machine paper.....	2.48	
Union Iron Works, repairs and material.....	1,303.87	
Union Water Meter Co., head waste stops, hydrant valves.....	339.93	
United States Rubber Co., hose....	285.00	
United States Tire Co., tires, tube .	100.26	
Utterback-Gleason Co., shaft bells	3.00	
Vacuum Oil Co., machine oil.....	194.53	
Wallace & Tierman Co., Chlorina- tor solution feed, etc.....	418.11	
Walworth Mfg. Co., standpipes, nuts, dies.....	118.20	
Webster, F. S. Co., ribbons for dating stamp.....	.40	
Wentworth, E. E. Corp., auto re- pairs.....	.94	
Western Union Telegraph Co., clock rent.....	9.75	
Wood & Bishop Co., copper float....	5.00	
Wood, R. D. & Co., fire plugs, etc...	991.67	
Woodbury's Garage, repairs to auto	5.25	
Woodman, C. Co., lumber.....	304.47	
Woodward-Wagner Co., automatic grapple.....	4.75	
Woodworth, H. H., thread tap.....	2.75	
Worthington Pump & Machinery Corp., repairs for pump.....	23.58	
	<hr/>	
	\$85,316.91	
Credit: Coal, etc.....	564.31	
	<hr/>	
	\$84,652.60	
	<hr/>	
Total water department.....		\$84,752.60

## CEMETERIES

## Cemeteries:

## Maintenance—Labor and Teaming:

## Maple Grove:

Bryant, W. H.....	\$280.55
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## Pine Grove:

Allen, E. H., sexton.....	\$120.00
Dunning, R. B. & Co., garbage cans.....	6.75
	<hr/>
	\$126.75

## Oak Grove:

Dunning, R. B. & Co., lawn mower .	\$14.75
Eveleth, R. C., sexton.....	174.00
	<hr/>
	\$188.75

## Mount Hope Public Grounds:

Hathorn, R. E.....	\$329.97
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## Copying Burial Records:

Hathorn, R. E.....	\$10.00
	<hr/>

Total Maintenance—labor and teaming.....	
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	\$936.02
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## Superintendents of Burials:

## Mount Hope:

Salary.....	\$300.00
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**Cemeteries—Continued****Mount Pleasant:**

Salary.....	\$200.00	
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Total superintendents of burials.....		\$500.00

**INTEREST****Interest:****On Temporary Loans:****Interest:**

Eastern Trust & Banking Co.....	\$7,184.44	
Merrill Trust Company.....	43.69	
<hr/>		
	\$7,228.13	
<hr/>		
Total interest on tempor- ary loans.....		\$7,228.13

**On Municipal Bonds:****\$50,000.00 Interest due 2d May and November:**

Merchants National Bank, Boston..	\$800.00
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**\$100,000.00 Interest due 1st of May and November:**

Merchants National Bank, Boston..	\$3,200.00
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**\$125,000.00 Interest due 1st of February and August:**

Merchants National Bank, Bos- ton.....	4,380.00	
Transfer to Reserve for Municipal Bonds.....	620.00	
<hr/>		
	\$5,000.00	

**Interest—Continued**

\$250,000.00 Interest due 1st of February and August:

Merchants National Bank, Boston..	\$9,960.00	
Transfer to Reserve for municipal		
Bonds.....	40.00	
	<hr/>	\$10,000.00

\$195,000.00 Interest due 1st of January and July:

Merchants National Bank, Boston..	\$7,800.00	
	<hr/>	
Total Interest on Municipal		
Bonds.....		\$26,800.00

On Trust Funds Used with Arrears:

Bangor Fuel Society:

Bangor Fuel Society.....	\$200.00
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Bangor Mechanic Assn.:

Bangor Mechanic Assn.....	\$720.00
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Bangor Children's Home:

Bangor Children's Home.....	\$2,400.00
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Firemen's Relief Fund:

Glynn, M. J.....	\$50.00	
Transfer to Firemen's Relief Fund..	330.25	
	<hr/>	\$380.25

## Interest—Continued

## Fogg Fund:

Connors, John Shoe Co.....	\$23.85
Fleming, John F.....	3.83
Frawley's Pharmacy.....	3.86
Townsend, Geo. E.....	10.70
Yates, A. O. Shoe Co.....	7.76
	<hr/>
	\$50.00
Credit: Paid from Trust Fund	
Cash.....	50.00
	<hr/>

## French Medal Fund:

Hutchings, I. M., medals.....	\$214.17
Transfer to French Medal Fund....	71.13
	<hr/>
	\$285.30

## Holton Medal Fund:

Bangor High School Library Sub-	
scription to Geographic and In-	
dividual Arts Magazines.....	4.00
Casey, Mary E., cataloguing.....	15.05
Library of Congress, cards.....	2.04
Sprague's Journal of Maine His-	
tory, subscription.....	1.00
Transfer to Trust Fund Cash.....	77.91
	<hr/>
	\$100.00

## Home for Aged Women:

Home for Aged Women .....	\$1,500.00
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## Interest—Continued

## Hersey Fund:

Bangor Public Library.....	\$4,000.00
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## Stetson Fund:

Angley, J. F. Co., coal and wood..	\$17.13
Buckley Drug Co., medicine.....	4.25
Burr, T. W., Ptg. & Adv. Co., letterheads and envelopes.....	10.65
Cassidy, John Co., groceries.....	9.61
Conners, John Shoe Co., shoes.....	57.78
Crossman, W. B., wood.....	23.25
Dunham-Hanson Co., putty knife, duster.....	1.10
Enterprise Shoe Co., rubbers.....	3.00
Frank Grocery Co., groceries.....	13.00
Freese, A. Langdon, clothing.....	15.40
Hale, C. B. & Co., clothing.....	1.18
Hammond St. Cash Market, gro- ceries.....	5.00
Hincks Coal Co., coal.....	6.63
Johnson, Mrs. Jennie, distribution..	181.86
Jordan, R. C., groceries.....	10.00
Kane, A. H., groceries.....	11.54
Kirstein, Louis & Sons, rent.....	15.00
Laughlin, Wm. M., express work...	1.50
Leavitt, Eben, dry goods for chil- dren at communion.....	9.78
Liggett, Louis K. Co., Sanatogen...	1.20
Lord Bros., groceries.....	10.55
New York Syndicate, clothing, shoes.....	56.05
Nichols, E. C. Dry Goods Co., cloth- ing.....	10.35
Outlet Corp., The, clothing.....	16.66

## Interest—Continued

Perkins & Marshall, shoes . . . . .	6.00	
Rollins, L. A., groceries . . . . .	5.00	
Sugden, C. R. Shoe Co., overshoes . .	3.00	
Townsend, Geo. E., groceries . . . . .	31.96	
Wheaton, W. T., groceries . . . . .	17.00	
Wood & Bishop Co., repairs for stove . . . . .	1.65	
Yates, A. O., Shoe Co., shoes . . . . .	42.92	
	<hr/>	\$600.00

## Wakefield Fund:

Wakefield Fund . . . . .	\$450.00
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## Hiram Oliver Fund:

Bacon & Robinson Co., coal . . . . .	\$7.50	
Bernstein, Mrs. M., groceries . . . . .	5.00	
Crossman, W. B., wood . . . . .	38.75	
Eastern Fuel Co., wood . . . . .	6.53	
Fleming, John F., groceries . . . . .	4.92	
Hammond St. Cash Market, coke . .	2.00	
Kane, A. H., groceries . . . . .	5.00	
New York Syndicate, mackinaw . . .	6.50	
Nichols, E. C. Dry Goods Co., clothing . . . . .	4.00	
Outlet Corp., The, clothing . . . . .	9.98	
Staples & Griffin, groceries . . . . .	5.00	
Wood & Ewer Co., bloomers . . . . .	1.75	
Yates, A. O. Shoe Co., shoes and rubbers . . . . .	3.07	
	<hr/>	\$100.00

## Total Interest on Trust Funds

Used with Arrears . . . . .	\$10,735.55
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**Interest—Continued****On Water Bonds:****\$500,000.00 Interest due 1st of January and July:**

Merchants National Bank, Boston.....	\$19,570.00
Transfer to Reserve for Water Coupons.....	430.00
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	\$20,000.00

Total Interest on Water Bonds.....	\$20,000.00
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**MUNICIPAL INDEBTEDNESS****Municipal Serial Bond Requirements:****\$50,000.00 Loan due November 2nd:**

Merchants National Bank, Boston.....	\$5,000.00
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**\$100,000.00 Loan due November 2nd:**

Merchants National Bank, Boston.....	5,000.00
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**\$195,000.00 Loan due January 1st:**

Merchants National Bank, Boston.....	10,000.00
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Total Municipal Serial Bond Requirements.....	\$20,000.00
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## SINKING FUNDS

## Sinking Funds:

Water Loan Annual Appropriation:

Donovan, T. G., Treasurer .....	\$12,000.00
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Total Revenue	Expendi-	
tures .....		\$783,602.42

## NON-REVENUE EXPENDITURES

## HEALTH AND SANITATION

## Sanitation:

Sewer Construction:

Salaries and Wages .....	\$788.43
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Material:

Bangor Cast Stone Products Co.,		
sand .....	\$2.54	
Brooks Brick Co., brick .....	15.00	
		\$17.54

Sewer Pipe:

Sewer Dept. ....	\$439.83	
Total sewer construction .....		\$1,245.80

Catch Basin Construction:

Salaries and Wages .....	\$591.30
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**Sanitation—Continued****Material:**

Bangor Cast Stone Products Co., sand.....	\$22.86	
Brooks Brick Co., brick.....	223.00	
Dunning, R. B. & Co., sewer pipe...	1.51	
Penobscot Foundry Co., castings...	220.50	
Sewer Dept., sewer pipe, cement....	259.80	
	<hr/>	\$727.67
Total catch basin construction.....		\$1,318.97

**HIGHWAYS AND BRIDGES****Highways:****New Equipment:****Horses:**

Mitchell, Frank.....	\$700.00
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**Gravel Loader:**

Oneca Sales Co.....	\$1,029.00
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**Trucks:**

Kelley-Springfield Motor Truck Co.	\$7,100.00
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**Scarifier:**

Buffalo Steam Roller Co.....	\$921.00
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Total new equipment.....	<hr/>	\$9,750.00
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**Highways—Continued**

## Reconstruction Center Street:

Salaries and Wages: .....	\$2,007.01
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## Maintenance of Teams:

Highway Dept. ....	\$168.00
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## Material:

Bangor Cast Stone Products Co., gravel.....	\$733.65
Bangor Railway & Electric Co., gravel and hauling.....	555.75
Brooks Brick Co., tile.....	89.38
Dunham-Hanson Co., tarred paper	4.65
Farrington, Dana, sand, rock.....	102.40
Highway Dept., rock, gravel, etc. . .	1,004.00
	<hr/>
	\$2,489.83

## Use of Steam Roller:

Highway Dept. ....	\$85.50
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Total Reconstruction Center Street .....	\$4,750.34
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## Hammond Street paving Job:

Salaries .....	\$639.69
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## Material:

American Railway Express Co., express on joint.....	\$18.27
Bangor Cast Stone Products Co., gravel.....	26.83

**Highways—Continued**

Blaisdell, T. M., paving blocks . . . .	4,104.96	
Dunham-Hanson Co., tarred paper	5.15	
Maine Central R. R. Co., freight on joint . . . . .	7.75	
Morse & Co., lumber . . . . .	259.79	
Woodman, C. Co., lumber . . . . .	6.62	
	<hr/>	\$4,429.37

**Outside Labor:**

Morse, F. S., building forms for curbing . . . . .	\$54.00
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**All Other:**

Bragg, N. H. & Sons . . . . .	\$23.58	
	<hr/>	
Total Hammond Street pay- ing job . . . . .		\$5,146.64

**Reconstruction Sidewalks and Curbing:****Reconstruction Sidewalks:**

Casey, Francis T. . . . .	\$2,901.89	
McNeil, D. J. . . . .	154.23	
Murray, Thomas . . . . .	395.92	
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Total Reconstruction Side- walks and Curbing . . . .		\$3,452.04

**Construction Sidewalks and Curbing:****Material:**

Highway Dept. . . . .	\$157.50
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## CITY OF BANGOR

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**Highways—Continued**

## Construction Sidewalks:

Casey, Francis T. ....	\$1,386.57	
	<hr/>	
Total Construction Sidewalks and Curbing. ....		\$1,544.07

## Construction State Road:

## State Aid Highways:

State of Maine Highway Com- mission. ....		\$6,298.72
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**Sprinkling:**

## Equipment:

Maine Central R. R. Co., freight ...	\$60.77	
Neffinger, J. W., sprinkler. ....	275.00	
	<hr/>	\$335.77

Total sprinkling equip- ment. ....		\$335.77
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**REAL ESTATE****Real Estate:**

## Real Estate:

Fernald, Eugene T. ....		\$600.00
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## EDUCATION

## Schools:

## New School House:

## School House—Contractor:

Brooks, E. R. ....	\$21,890.00
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## Plans and Supervision of New School House:

Crowell, C. Parker. ....	\$500.00
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## School Bonds:

First National Bank, Boston, preparing and certifying bonds.	\$210.00
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## Heating and Plumbing:

Babb, C. H. & Co. ....	\$7,200.00
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## Inspector:

Wilbur, Geo. H. ....	\$280.00
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## Electrical Work:

Dole Co., The. ....	\$1,400.00
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## Insurance:

Blake, Barrows & Brown. ....	\$2.22
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Total New School House. ....	<u>\$31,482.22</u>
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Total Non-Revenue Expendi- tures. ....	<u><u>\$65,924.57</u></u>
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## CITY OF BANGOR

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## ESTIMATED REVENUE

## TAXES:

Railroad and Telegraph Tax:

State of Maine . . . . .	\$43,170.27
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## LICENSES AND PERMITS

Sundry Licenses:

Theatres . . . . .	\$80.00
Employment . . . . .	175.00
Circuses . . . . .	39.00
Peddlers . . . . .	70.00
Billards and Pool . . . . .	105.00
Auction . . . . .	10.00
Gasoline . . . . .	57.00
Fireworks . . . . .	11.00
Plumbers . . . . .	44.00
<hr/>	
Total Sundry Licenses . . . . .	\$591.00

## GRANTS AND GIFTS:

Grants and Gifts:

Schools:

Support of Public Schools . . . . .	\$36,847.42
Aid to Industrial Schools . . . . .	3,059.96
Aid to Free High School . . . . .	500.00
Union Superintendency . . . . .	800.00
School and Mill Tax . . . . .	18,206.60
<hr/>	
Total Schools . . . . .	\$59,413.98
Armory . . . . .	\$400.00
Dog Licenses . . . . .	80.90
Libraries . . . . .	500.00

## SPECIAL ASSESSMENTS

Street Sprinkling.....	\$8,304.90
Sewer Assessments.....	921.12
Sidewalks and Curbing.....	1,761.58

## SUPPLEMENTARY TAXES

Taxes.....	\$2,524.25
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## PRIVILEGES

## Public Service—Wires and Franchise:

Bangor Railway & Electric Co.— Street Franchise.....	\$2,800.00
Bangor Railway & Electric Co.— Bangor & Brewer Bridge Franchise.....	1,600.00
Bangor Railway & Electric Co.— Wires crossing bridge.....	\$80.00
Bangor Gas Light Co.—Pipes cross- ing bridge .....	80.00
New England Tel. & Tel. Co., wires crossing bridge.....	80.00
	<hr/>
	\$240.00
Total Public Service—Wires and Franchise.....	<hr/>
	\$4,640.00

**GENERAL GOVERNMENT****City Hall and Court Street Building:**

Rent of Hall.....	\$4,378.00	
Rent of offices.....	756.58	
Rent of Municipal Court Room....	1,000.00	
Rent of piano.....	125.00	
Rent of part of Court St. Building.....	200.00	
Total City Hall and Court Street Building.....		\$6,459.58

**PROTECTION OF PERSONS AND PROPERTY****Police Department—Court Fees:**

Supreme Court Fees.....	\$2,187.34	
Municipal Court Fees.....	1,705.94	
Total Police Department—Court Fees.....		\$3,893.28

**Police Department—Sundry Receipts:**

Buttons.....	\$5.99	
Received for rides in patrol.....	474.31	
Cracker barrels.....	1.40	
Paper and pail.....	3.33	
Total Police Department—Sundry Receipts.....		\$485.03

**Fire Department—Sundry Receipts:**

Sale of old rubber tires.....	\$2.00	
Sale of horses.....	1,425.00	
Total Fire Department—Sundry Receipts.....		\$1,427.00

**HEALTH AND SANITATION**

Health—Fumigating.....	\$69.80
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**HIGHWAYS AND BRIDGES****Highways:**

Horse.....	\$35.00	
Paving gutters.....	26.46	
	<hr/>	
Total Highways—Sundries....		\$61.46

**Bridges:**

City of Brewer—Bangor & Brewer Bridge.....	\$655.70
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**CHARITIES****Almshouse—Sale of Products and Sundries:**

Hay, straw and grain.....	\$2,559.95	
Live stock.....	64.00	
Hogs.....	616.40	
Potatoes.....	15.00	
Cow Hide.....	21.33	
Tallow.....	5.30	
Rent of Webster Ave. House.....	32.00	
Milk and Cream.....	10.00	
Old barn.....	117.00	
	<hr/>	
Total Almshouse — Sale of Products.....		\$3,440.98

**Charities—Continued****Reimbursements from Individuals, Cities, Towns and State:**

Individuals.....	\$268.06
Cities and Towns.....	1,214.55
State.....	4,764.88

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Total Reimbursements.....	\$6,247.49
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**SOLDIERS' BENEFITS**

State Pensions.....	\$6,159.00
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**EDUCATION****Tuition, Sale of Text Books, etc.**

Tuition.....	\$7,473.59
Text Books and supplies.....	8.10
Sale of heat.....	2,679.44
Night school.....	112.00

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Total Tuition, Sale of Text Books, etc.....	\$10,273.13
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**PUBLIC SERVICE ENTERPRISES****Electric Department:**

Safe.....	\$20.00
Mast Arms.....	1.00

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Total Electric Department....	\$21.00
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**Water Department:**

Water.....	\$102,400.00
Furnished Charitable Institutions..	2,352.60

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Total Water Department.....	\$104,752.60
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**CEMETERIES**

## Sale of Lots:

Mount Hope.....	\$265.00	
Maple Grove.....	10.00	
Pine Grove.....	62.00	
Oak Grove.....	145.00	
	<hr/>	
Total Sale of Lots.....		\$482.00

**INTEREST ON TAXES AND DEPOSITS**

On Deposits in Bank.....	\$2,608.80	
On Taxes.....	638.53	
On Tax Titles.....	721.29	
	<hr/>	
Total Interest.....		\$3,968.62

**OTHER REVENUE**

## Unclassified:

Telephone.....	\$171.99	
Weighing Machine.....	11.32	
Sheep killed by dogs.....	700.50	
Junk.....	25.00	
Grass from Lincoln St. Land.....	2.00	
	<hr/>	
Total Other Revenue.....		\$910.81
		<hr/>
TOTAL ESTIMATED REV- ENUE.....		\$271,615.48

1920]

## CITY OF BANGOR

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## TAXES

## State and County Taxes:

State Tax.....	\$195,443.13
County Tax.....	41,150.10
	<hr/>
Total taxes.....	\$236,593.23

## RESERVES

## Reserve for New School House:

Feb. 28, 1919, balance.....	\$13,570.31
Nov. 30, 1919, Cash, Insurance re- payment.....	10.50
	<hr/>
	\$13,580.81
Expenditures Bacon & Robinson Co.	\$24.00
Bangor Publishing Co.....	13.68
Bass, J. P. Publishing Co.....	2.00
Black, A. H.....	77.00
Brooks, E. R.....	11,300.00
Crowell, C. Parker.....	1,000.00
Eastern Trust & Banking Co.....	4.50
Kellogg, Alfred S.....	190.00
Lord, Henry & Co.....	35.00
Maynard, Albert.....	10.50
Water Department.....	23.96
Wilbur, Geo. H.....	770.00
	<hr/>
	\$13,450.74
	<hr/>
Balance Unexpended.....	\$130.07

## Reserve for Water Coupons:

Feb. 28, 1919, Balance.....	\$560.00
Feb. 29, 1920, Outstanding Cou- pons.....	430.00
	<hr/>
	\$990.00



**Reserve for Water Coupons—Continued**

## Expenditures

Merchants National Bank, Boston .	\$520.00
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Balance Unexpended . . . . .	<u>\$470.00</u>
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**Reserve for Municipal Coupons:**

Feb. 28, 1919, Balance . . . . .	\$200.00	
Feb. 29, 1920, Outstanding Coupons	660.00	
	<u>          </u>	\$860.00

## Expenditures

Merchants National Bank, Boston .	\$200.00
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Balance Unexpended . . . . .	<u>\$660.00</u>
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**Reserve for Highway—Street Paving Blocks**

Feb. 28, 1919, Balance . . . . .	\$1,547.36
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## Expenditures

Blaisdell, T. M. . . . .	\$1,547.36
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## REPORT OF THE Superintendent of Sewers

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Bangor, Maine, March 16th, 1920.

*To His Honor the Mayor, and the City Council:*

Gentlemen:—

The Superintendent of Sewers herewith submits his report for the year ending Feb. 29th, 1920.

Annual appropriation . . . . .	\$17,000.00	
Expended for new work and all repairs and other expenses . . . . .	14,156.29	
	<hr/>	
Unexpended balance . . . . .		\$2,843.71

### EXPENDITURES

Salary of Superintendent . . . . .	\$1,200.00	
Salary of Board . . . . .	150.00	
	<hr/>	\$1,350.00

### SEWER CONSTRUCTION

Pleasant View Ave. . . . .	\$752.94	
Broadway . . . . .	234.56	
Maple Street extension . . . . .	222.00	
	<hr/>	\$1,209.50

## SEWER MAINTENANCE

Repair of Sewers.....	\$1,649.70
Winter Expense.....	594.00
Pipe.....	8.93
Liability Insurance.....	373.61
Cement.....	10.60
Repair of Carts.....	142.65
Cleaning Tops.....	244.40
Miscellaneous.....	296.44
Saturday Half Holiday.....	94.30
	<hr/>
	\$3,414.63

## CATCH BASIN CONSTRUCTION

1 on Leighton Street.....	\$65.39
1 on Hammond near Seventh.....	94.90
1 on Hammond, near Webster Ave.....	87.40
1 on Bowtelle Road.....	83.52
2 on Broadway.....	170.04
1 on Elizabeth Ave.....	81.52
1 on Pier Street.....	84.52
1 on Parkview Ave.....	90.52
1 on Park Street.....	104.38
1 at Water Works.....	75.58
1 on March Street.....	73.02
2 on Grove Street.....	182.04
1 on Main Street.....	145.94
Saturday, Half Holiday.....	16.50
	<hr/>
	\$1,355.27

## CATCH BASIN MAINTENANCE

Cleaning catch basins.....	\$4,225.00
Repairing catch basins.....	1,448.20
Repairing carts.....	454.53

Grates and Tops.....	98.05	
Miscellaneous.....	221.11	
Saturday, Half Holiday.....	380.00	
	<hr/>	\$6,826.89

### AMOUNT OF NEW SEWERS

Pleasant View Fve.....	709 feet of 10 inch pipe
Broadway.....	128 feet of 8 inch pipe
Maple Street Extension.....	300 feet of 8 inch pipe
Connections.....	278 feet of 8 inch pipe
	<hr/>
Total.....	1415 feet

A Sewer was petitioned for on the upper end of Buck Street, a survey and estimate of the probable cost made, but owing to the objections made by some of the abutting property owners against whom the assessments were the largest and who did not wish to develop their property at the present time the Board of Municipal Officers voted not to construct.

The Catch Basins were cleaned as often as necessary at an expense of \$4,225.00.

Fifteen Catch Basins were constructed on old sewers which makes the total number of Catch Basins in the City 1260.

1137 feet of Sewers built during the year makes the total amount of Sewers in the City about forty seven and three quarter miles.

I would recommend that the coming season a map be made showing the location of all Catch Basins and Manholes and tying them with measurements to some permanent object close by. At the present time owing to the great amount of snow it is very difficult and expensive to locate and open them as the only thing we have to go by is the personal knowledge of the men we may

be able to employ. It is very essential at times as in case of breaks or stoppage of Sewers to locate Manholes quickly to save damage and expense. It is estimated this work could be done for \$400.

Respectfully submitted,

Wm. E. Givren,

Supt. of Sewers.

## Report of the Milk Inspector

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*To the Honorable Mayor and Gentlemen of the City Council of Bangor, Maine:*

I herewith submit my annual report as Milk Inspector for the city, for the year ending March 1st, 1920.

The production of milk supplies for all communities has been and is at the present time carried on mainly by people born on farms and who follow the business often through a life time, their chief aim and purpose being to gain a livelihood. As a class, their means are limited, and the returns for their labor small and uncertain. Their work is incessant, laborious, and much of it not particularly agreeable in all seasons of the year. The wage, in normal times, which they are enabled to offer their help is not inviting, which fact tends to lower the grade of it and cause an amount of uncertainty in the results of their work. The principal source of bad milk is in the milking of unclean cows, in unclean premises by uncleanly and careless milkers, a fact well established by inspection of premises and their occupants. Dirt having fallen into milk during the process of milking cannot be entirely removed or its effect overcome by any method of straining.

The inspection of dairy farms and animals; the analyzing of samples of milk taken from milkmen's wagons and storekeepers' premises and other methods now commonly adopted by states

and municipalities, does not entirely eliminate the unsatisfactory dealer.

A practice the consumer would do well to adopt is, when a dealer repeatedly delivers poor milk, drop him and try another, and so on, until a good one is found, and good ones are plenty. If that course should be followed generally, the slack dealer would be driven out of business.

After all that might be said against the milkman, it must not be forgotten that the consumers and their employees are, in turn, quite responsible for a good percentage of unsatisfactory milk which is delivered at their doors in good condition and quality, many of such people failing to realize the safe-guards necessary to protect one of the most delicate food products in existence. The careful dealer should receive due praise when deserving it, and the consumer and their help their share of censure when responsible for its careless treatment.

The city milk supply in the past year came from about eleven hundred cows, distributed by about forty-five route milkmen and fifty storekeepers, all of whom are licensed and registered by the Department of Agriculture of the State, and a list of them and their places of business and the fact of their being licensed or not is kept by your Inspector on the City Records.

The Department of Agriculture of the State, in their bulletin published December 31st, 1919, report of having purchased throughout the state in the past year in sixty-four different towns and cities, four hundred and sixty-one (461) samples of milk and cream, which were analyzed, and seventeen (17) samples were found to be below standard in fat; twenty-three (23) samples short in total solids; seventeen (17) were watered; six skimmed and seven (7) were dirty. Five persons were prose-

cuted for violation of the law and sixteen cases are pending for further investigation.

Dairy farmers have suffered much in the past two years from the lack of efficient help, which condition has made it difficult for them to carry on their business with entire satisfaction.

A few complaints have been received by your Inspector in the past year of milk not being up to the standard. The average supply has been of satisfactory quality.

Respectfully submitted,

Frank Dwinal,

Milk Inspector.



## Report of the Fire Chief

---

March 15, 1920.

*To His Honor, the Mayor, and Members of the City Government:*  
Gentlemen:—

In accordance with the requirements of the City Ordinance I submit to you the annual report of the Fire Department of the City of Bangor for the year ending February 29, 1920.

Although the cost of all articles that are needed in the department to keep it in first class shape have increased in cost the last year, and the hire of extra horses and men that was necessary during the last bad snow storms, the department has been able to keep within its appropriation and have a balance.

The following are the expenditures for the year:

Salaries and wages.....	\$44,956.23
Horses and care of same.....	4,953.94
Fuel and light.....	3,253.46
Auto maintenance.....	1,637.67
Equipment and repairs.....	2,469.41
Other expenses.....	1,774.77
	<hr/>
	\$59,045.48
Amount of appropriation.....	\$60,603.75
Amount expended.....	59,045.48
	<hr/>
Balance.....	\$1,558.27

### APPARATUS

We have in the department three steam fire engines, one in service and two in reserve, two hose wagons, two combination hose and chemical wagons, one combination hose, chemical and ladder truck, one aerial truck, one chief auto, one city service truck, and one combination hose, chemical and pumping engine auto, five hose sleds, one combination hose and ladder sled, one chief wagon and pung, two exercising sleds, three exercising wagons; and one Seagrave Auto Truck that is out of service and not fit for use.

### PERMANENT FORCE

The number of permanent men in the department is thirty and consists of one chief, two district chiefs, 27 drivers, engineers, hose and ladder men.

### CALL FORCE

The call force of the department consists of 70 men, divided as follows: 7 captains, 8 lieutenants, 55 hose and ladder men.

### HORSES

There are in the department at the present time 16 horses of which most of them are in good condition.

### HOSE

The amount of hose in the department at the present time is 14,650 feet, of which 8050 is in good condition, and 6600 ft. in fair condition. 29,000 feet of hose was laid at fires during the year.

### ALARMS

The department has responded during the year to 278 calls of which 77 were bell alarms and 198 still or telephone calls and three out of town calls:—of these calls 172 were in wooden buildings, 3 in brick and stone, and 4 in stone buildings.

The number of calls answered by the department each month during the year was as follows:

March—1919—34	July—1919—17	Nov.—1919—11
April—1919—20	August—1919—15	Dec.—1919—35
May—1919—29	Sept.—1919—17	Jan.—1920—37
June—1919—18	Oct.—1919—24	Feb.—1920—20

### VALUATION AND LOSSES

The valuation of property involved in fires for the year was \$1,005,737.40:—Insurance \$718,799.34:—Loss \$23,549.38.

### RECOMMENDATIONS

I would recommend the purchase of 2000 feet of 2½ inch fire hose.

### CONCLUSION

In closing I wish to thank His Honor the Mayor, the City Government, Committee on Fire, Chief of Police and members of his department, and all those that have assisted me in the duties of this office during the year.

To the officers and members of the department I take this opportunity to thank them for their faithful and valuable services given at all times.

Respectfully submitted,

W. S. Mason,

Chief Engineer.

## Report of the Harbor Master

---

*To the Mayor and City Council of the City of Bangor:*

Gentlemen:—

The Harbor Master submits his report for the year 1919-1920. The ice left the river Saturday, March 22nd, 1919, and the port closed to navigation Monday, December 15th, 1919.

Open to navigation, 268 days.

During this time 447 vessels arrived. 227 steamers, 89 schooners, 106 barges, 14 yachts, 9 gas boats, 1 U. S. Destroyer, 1 U. S. Light House boat, with a gross tonnage of 371,652 tons. Vessels cleared for foreign ports, one.

During the year merchandise arrived by vessel as follows:

188,302 tons of coal, of bituminous 142,157, of anthracite 112,000 barrels gasolene 46,145 tons.

48,000 barrels kerosene

660,000 feet lumber

135 tons stone

400 tons gravel

250 tons fertilizer

537 tons coke

200 cases clams

794 cords pulp wood

1500 casks lime

6400 bushels salt

1 boiler and settings

The four masted schooner James E. Coburn was launched at Orrington, July 28th, from the Boston-Penobscot Shipbuilding Co. yard and brought to Bangor to finish, 960 gross tons.

The four masted schooner Katherine May, was launched from the Bangor Shipbuilding Co. yard, August 26th, 915 gross tons.

The four masted schooner Horace E. Munroe was launched from the Bangor-Brewer Shipbuilding Co. yard, November 22nd, 1670, gross tons.

The Munroe is the largest vessel ever launched in this port.

Respectfully submitted,

Edwin Lord,

Harbor Master.



# **Report of the Water Board**



## BANGOR WATER BOARD 1920

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THE MAYOR, President, *ex-officio*

MILTON S. CLIFFORD.....Term expires March, 1921  
ALBERT L. BLANCHARD.....Term expires March, 1921  
WILLIAM S. HIGGINS.....Term expires March, 1922  
HOSEA B. BUCK.....Term expires March, 1922  
HAYWARD C. DUNHAM.....Term expires March, 1923  
FRANK P. DENACO.....Term expires March, 1923  
WALTER I. BROWN, Clerk

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### STANDING COMMITTEES

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#### ADVISORY COMMITTEE

W. S. Higgins                      A. L. Blanchard                      H. C. Dunham

#### AUDITING COMMITTEE

M. S. Clifford                      F. P. Denaco                      H. B. Buck

#### DAM AND WATER WORKS

F. P. Denaco                      W. S. Higgins                      M. S. Clifford

#### LAND DAMAGES COMMITTEE

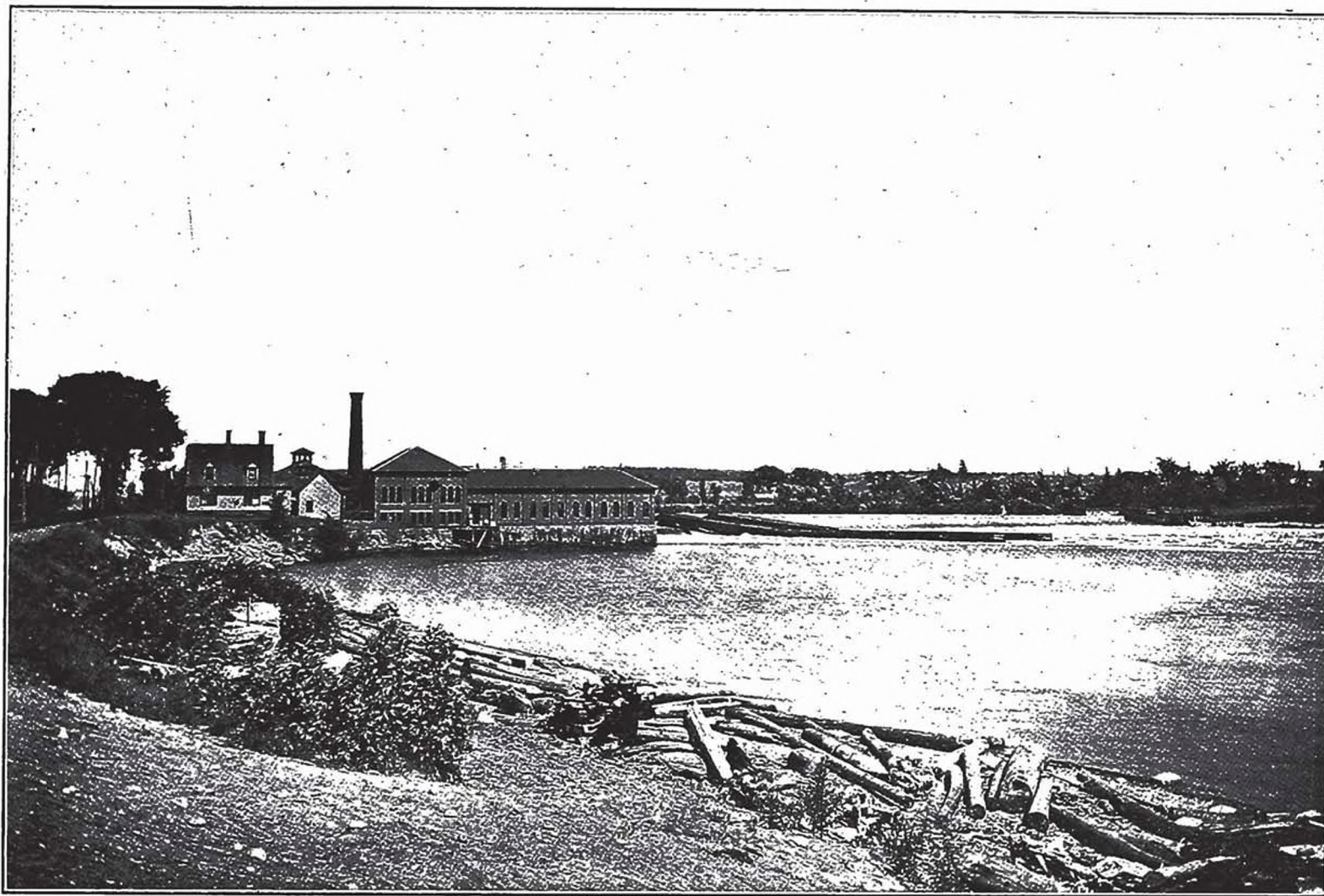
H. B. Buck                      H. C. Dunham                      A. L. Blanchard

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#### OFFICERS

Melville A. Sinclair.....Superintendent  
John W. Dougherty.....Chief Engineer Pumping Station  
Walter I. Brown.....Clerk and Collector  
Geo. M. Graffam, C. P. A.....Auditor  
Thomas V. Campbell.....Inspector  
Prof. Jas. M. Caird, Troy, N. Y.....Consulting Chemist  
A. C. Powell.....Resident Chemist  
Delia G. Mann.....Assistant Water Board Office  
Edna B. Pickard.....Assistant Water Board Office  
Doris E. Moors.....Assistant Supt. Office





BUILDINGS AND DAM AT PUMPING STATION



**BANGOR WATER BOARD**

Date of Election and Length of Service of Members, 1875-1920

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*Geo. Stetson.....	1875-1887
*W. T. Pearson, resigned, and	
*G. L. Boynton, elected.....	1875-1877
*L. H. Eaton.....	1875-1877
*A. G. Wakefield.....	1877-1879
*J. S. Ricker.....	1877-1879
*M. S. Drummond.....	1877-1880
*Sprague Adams.....	1877-1879
*Hiram B. Williams.....	1877-1887
*Geo. Savage.....	1877-1878
*Hiram H. Fogg.....	1878-1893
*Thomas W. Vose.....	1879-1901
Wm. Conners.....	1879-1883
*Silas D. Jones.....	1879-1885
*John L. Cutler.....	1880-1891
T. U. Coe.....	1883-1886
*Charles I. Collamore.....	1885-1900
*James Adams.....	1886-1903
*Thomas White.....	1887-1896
Hugh R. Chaplin.....	1891-1894
Chas. S. Pearl.....	1893-1896
*James H. Snow.....	1894-1897
T. U. Coe.....	1896-1905
W. W. Fellows.....	1896-1899
*Warren A. Bragg.....	1897-1906
Charles F. Bragg.....	1899-1905
Milton S. Clifford.....	1900-1906
William Z. Clayton.....	1901-1904
William W. Fellows.....	1904-1907
George E. Wharff.....	1904-1907
Freeland Jones.....	1905-1908

*Jas. B. Mullen.....	1905-1911
Jas. F. Singleton.....	1906-1909
*Edward S. Perry.....	1906-1909
Charles F. Bragg.....	1907-1910
Arthur Chapin.....	1907-1910
Milton S. Clifford.....	1908-1911
F. Parker Denaco.....	1909-1912
*William H. Gorham.....	1909-1912
William S. Higgins.....	1910 Now in office
*Patrick J. Feeney.....	1910-1912
Flavius O. Beal.....	1911-1913
John F. Woodman.....	1911-1915
Milton S. Clifford.....	1912 Now in office
Albert L. Blanchard.....	1912 Now in office
Bernhard M. Kirstein.....	1912-1915
John H. Rice.....	1913-1914
F. Parker Denaco.....	1914 Now in office
Flavius O. Beal.....	1916-1920
Hosea B. Buck.....	1916 Now in office
Hayward C. Dunham.....	1920 Now in office

\*Deceased

#### PRESIDENTS OF THE BOARD, *ex-Officiis*

Mayor, *Augustus C. Hamlin.....	1877-1879
" *William Brown.....	1879-1881
" *Lysander Strickland.....	1881-1883
" *Frederick A. Cummings.....	1883-1884
" *Samuel F. Humphrey.....	1884-1885
" *Edward B. Nealley.....	1885-1887
" Charles F. Bragg.....	1887-1890
" Edward H. Blake.....	1890-1891
" *Joseph F. Snow.....	1891-1892
" Flavius O. Beal.....	1892-1895
" *Charles L. Snow.....	1895-1896
" Flavius O. Beal.....	1896-1899
" Arthur Chapin.....	1899-1902

Mayor	*William Engel.....	1902-1903
"	Flavius O. Beal.....	1903-1905
"	William B. Pierce.....	1905-1907
"	John F. Woodman.....	1907-1911
"	Charles W. Mullen.....	1911-1913
"	Flavius O. Beal.....	1913-1914
"	John G. Utterback.....	1914-1915
"	*Frank Robinson.....	1915-1915
"	John F. Woodman.....	1916-1920
"	Jarvis B. Woods.....	1920-

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\*Deceased

## Report of the Water Board

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*To the City Council of Bangor:—*

In order that your honorable body, and the citizens of Bangor generally, may have accurate knowledge of the affairs of the City Water Department during the past fiscal year, the 45th Annual Report of the Bangor Water Board, for the year ending February 29, 1920, is herewith submitted. The customary reports of the Superintendent, Clerk and Collector, Chemist and Bacteriologist, and Chief Engineer of the pumping station are also included.

According to the Superintendent's report, the high cost of materials proved a serious drawback in limiting the extensions and renewals of street water mains. The notably big job of the season was the 3820 feet extension of 8-inch pipe in 14th Street, from Union to Hammond, which did away with several dead-ends, and greatly improved the fire service throughout the locality. Street main extensions for the year, aside from the 14th Street work, totalled 515 feet, the city now having a total distributive system of close to 57½ miles. Seven new fire hydrants were installed during the year, bringing the total number in the city to 341.

Prof. Caird's report on work at the filter plant deserves your special consideration. Such statistical reports may seem to the layman rather formidable and hard to understand at first glance, but even a cursory reading will give a surprising insight into the good work and wonderful value of this important de-

partment. Mr. A. C. Powell continues in charge of the plant as resident chemist and bacteriologist, and has maintained an exceptionally high degree of efficiency in filter results throughout the year.

According to the Chief Engineer's report, Bangor homes, business establishments and public buildings used 1,481,105,100 gallons of water during the past year, an average of 4,046,735 gallons per day.

Again the Collector announces 100% results in his department, all collections for the year having been made, in keeping with the 100% record which the Collector has maintained for several years past. Collections for the fiscal year totalled \$102,605.46 and the report shows the substantial surplus of \$10,686.92, which amount is included in the department's assets for the contingency fund, this fund now totalling \$30,024.94.

The sinking fund now totals \$132,200.00 and is handled and controlled by a Board of Trustees.

Our Inspectors visited all the dwellings and business establishments and found many added fixtures which had not previously been reported by the plumbers. It was with deepest regret that we were obliged to accept the resignation of Mr. Cornelius O'Brien, who has served as Inspector for 15 years with exceptional efficiency, illness compelling him to relinquish his office last November. Mr. O'Brien was particularly fitted for inspection work, and the faithful attention he gave to every detail connected with his duties was abundantly reflected in the reports of highly successful work which came from his department year after year.

In conclusion, we urge again that you give the appended individual reports careful reading and due consideration. In

this way you will be brought more closely in touch with the plant, equipment, accomplishments, aims and needs of the department, and can all the better appreciate its past growth, present efficiency, and future requirements.

Respectfully submitted,

John F. Woodman, Mayor.

F. P. Denaco

William S. Higgins

Milton S. Clifford

F. O. Beal

Albert L. Blanchard

Hosea B. Buck

Members of  
Water Board

## Report of the Superintendent

February 29, 1920.

*To the Bangor Water Board:*

Gentlemen:—In accordance with the usual custom I respectfully submit for your approval the forty-fifth annual report of the Superintendent, for the year ending February 29, 1920.

### STREET MAINS

The Department has laid only such water mains as were absolutely necessary; the high cost of materials has been a severe drawback for extensions and renewals.

Mains Laid	Feet	Size in In.
Perkins Street, from end of pipe laid before to 14th St. . . .	135	6
Howard Street, from end of pipe laid before, North. . . . .	388	6
Fourteenth Street, from Union to Hammond. . . . .	3820	8

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Total No. of feet laid. . . . .	4343
---------------------------------	------

523 ft. of 6 inch dia. . . . .
--------------------------------

3820 ft. of 6 inch dia. . . . .
---------------------------------

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4343

No. feet discontinued, 572.

Total number miles connected with the system, 57 2158-5280.

The 3820 ft. extension of 8 inch pipe on 14th St., from Union to Hammond St., has discontinued many dead-ends, and greatly increased the fire service in that locality.

## SERVICE PIPES

Only a moderate amount of service work has been done during the past year; the following table will give a full explanation.

New	Renewed	Discontinued	Cleaned
32	39	10	182
Total number of services connected with the system 5,333.			

## VALVES

All valves have been inspected as usual, and in many cases stuffing boxes were re-packed. The following table accounts for the additions and those discontinued:

Location	Size in In.
Spring and Market, on hydrant line.....	4
Elm and Milford.....	4
Essex and Milford.....	4
Grove and Milford.....	4
East Summer and Hancock.....	4
Birch and Hancock.....	4
Essex, on hydrant line, 800 ft. north of Garland.....	4
Center, on hydrant line, between Garland and So. Park.....	6
Pier and Sixth, on hydrant line.....	6
French and Somerset.....	6
Perkins and Fourteenth.....	6
Fourteenth and Union, on hydrant line.....	6
Fourteenth, on hydrant line, near Hilton residence.....	6
Fourteenth, on hydrant line, 600 ft. East of Allen St.....	6
Allen and Fourteenth, North.....	6
Allen and Fourteenth, South.....	6
Howard Street, North of Garland, on hydrant line.....	6
Dean and Fourteenth.....	6
Essex and Cumberland, on hydrant line.....	6
Hersey Ave. and Fourteenth.....	6
Fourteenth and Hammond, on hydrant line.....	6



Fountain and Linden.....	6
Fourteenth and Union.....	8
Fourteenth, opposite Warner residence, No. 192.....	8
Fourteenth and Allen.....	8
Fourteenth and Hammond (A. P. Smith Valve).....	8
Fourteenth and Hammond.....	8
<hr/>	
Total number.....	27
Valves discontinued.....	1

## VALVE DATA

Size in Inches.....	1½	2	4	6	8	12	16	20	24
No.....	1	46	165	389	58	16	5	11	1
Total number of valves connected with the system 692.									

## FIRE-HYDRANTS

The fire hydrants are in good condition; during the winter months, continuous inspection is necessary to prevent freezing. It has been the practice of the department during the entire year to have an employee answer each alarm of fire, to give the hydrants proper attention.

The following have been added during the year:

Location	Pres.	Make
Center, between Garland and South Park, on East side of Center.....	78	M
Pier and Sixth.....	70	M
Perkins and Fourteenth.....	50	M
Union and Fourteenth.....	55	M
Fourteenth, near Hilton residence No. 174.....	49	M
Fourteenth, 550 ft. East of Allen St.....	49	M
Howard, 700 ft. N. of Garland.....	70	M

Total number set, 7.

Total number connected with the system, 341.

## LEAKS

16 leaks have occurred in the distribution system during the year; 12 in service pipes, 2 in fire hydrants, and 2 breaks in 6-inch main pipes.

## STREET-WATERING STANDPIPES

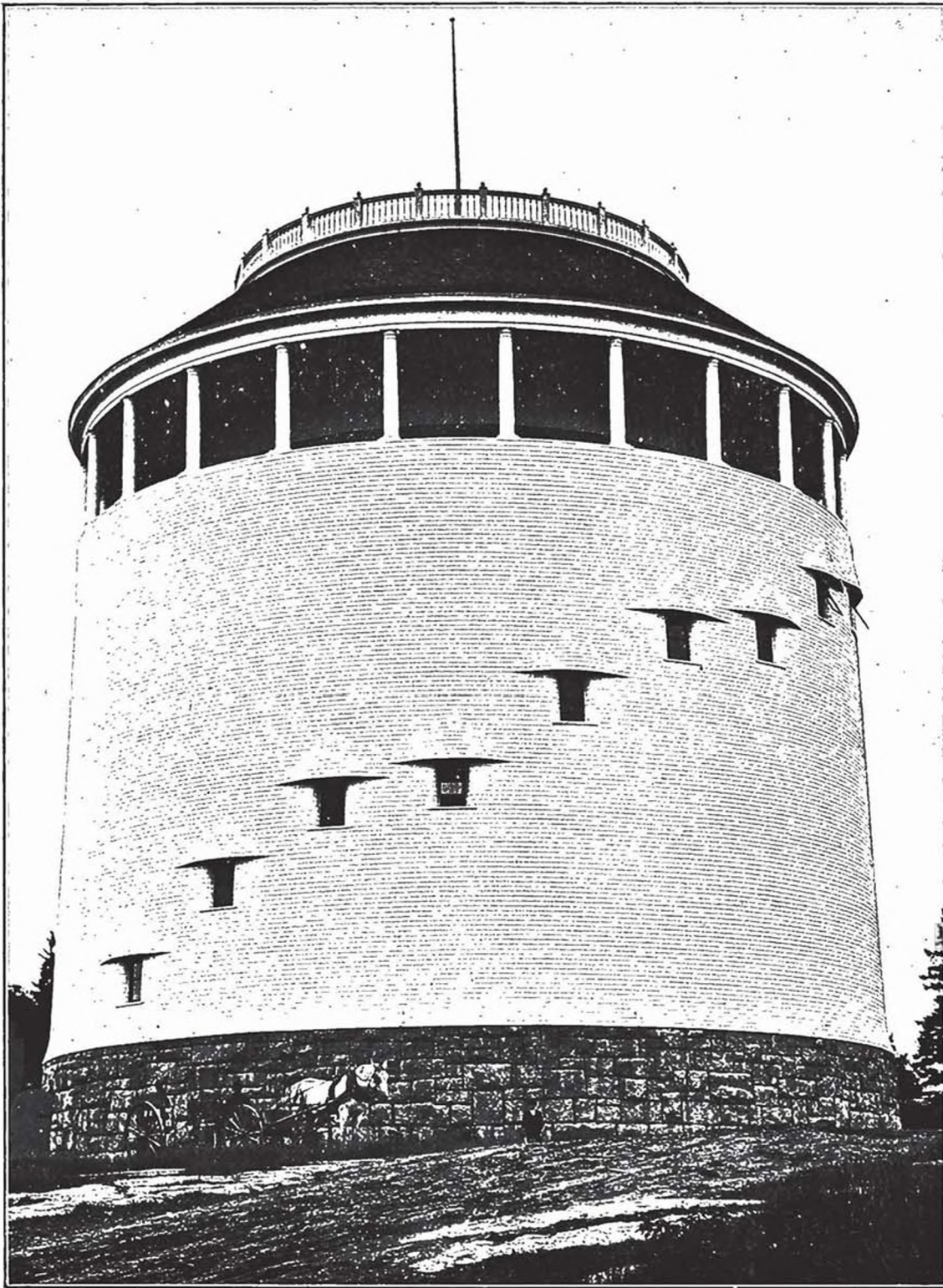
No additions have been made during the year; the total number of 43 remains as in the report of last year.

## EAST SIDE

Congress and Center  
Elm, near Schoolhouse  
Fern and State  
Franklin, North side of Street  
Grant and Linden  
Hancock and Birch  
Hancock and Oak  
Harlow and Curve  
Kenduskeag Avenue and Jefferson  
Market and Cumberland  
Newbury and York  
North Park, between Broadway and  
Stillwater Avenue  
Palm and Garland  
Park View and Mount Hope Aves.  
Pine and State  
State, near Otis  
Summit Avenue and State  
Washington and Hancock  
Somerset and Pine

## WEST SIDE

Allen and Hammond  
Broad, opposite Water  
Buck and Main  
Cedar and Main  
Cottage, near Ohio  
Cottage, near Union  
Court, near Clark  
James and Union  
Lincoln and Third  
Main, near railroad bridge  
Main, opposite Patten  
Main, near City Farm  
Ohio, near Fourteenth  
Ohio and George  
Pond and Cedar  
Railroad, near Front  
Royal Road  
Second, near Water Department  
Yard  
Summer and Union  
Third and Cedar  
Union and Hammond  
Union and Seventeenth  
Warren and Fourth  
West Broadway and Hammond  
Total 43



STAND-PIPE, CAPACITY 1½ MILLION GALLONS

### STAND-PIPE

For the first time since its construction, the tank portion of the standpipe has been painted on the outside. The inside of the tank has been thoroughly cleaned twice this year.

During 1920 it will be necessary to paint the tank on the inside to follow the usual custom of "once in four years." I recommend that the wooden super-structure be painted also during the year 1920.

### DAM AND PIERS

This past winter quite extensive repairs have been made; new timbers were placed in the retaining wall, at the south end of the fish way, also in the flume at the pumping station. Portions of the dam and sluice-way were replanked. At present the dam and sluice-way are in very fair condition.

### DEPARTMENT BUILDINGS

All the department buildings are in very good condition; there are very few suggestions of repairs for the coming year. It would be well to finish the re-lining with concrete the remainder of the three wheel-pits in the new wheel-house. A new floor is needed in the wheel-house. The pump-house should be painted on the inside.

### FILTER PLANT

The good efficiency of the filter-plant still continues. During the past year 6 of the 8 units were thoroughly cleaned, which consisted of removing the sand and gravel, taking out all the brass strainers from the manifold and laterals. These brass

strainers were renewed where necessary, and the sand and gravel were screened and placed back in the filters in the proper graduated layers.

I recommend this cleaning operation to a filter about once in 4 years.

In closing, I wish to thank the Mayor, Water Board, Officers and Employees of the Water Department for their co-operation during the year.

Respectfully submitted,

M. A. Sinclair,

Superintendent.

## Report of the Water Collector

Water Collector's Office  
March 1, 1920.

*To the Bangor Water Board:*

Gentlemen:—In compliance with the requirements of the city ordinance, I herewith present the forty-fifth annual report of the department, showing the receipts, statement of the operating accounts and other detail, for the year ending February 29, 1920.

### CASH STATEMENT

On hand February 29, 1919.....	\$397.02	
Received from general water service from March 1, 1919 to March 1, 1920.....	99,911.16	
Received from water supplied to circuses.....	10.00	
		\$100,318.18
Received from Pennsylvania Salt Mfg. Co., fund for returned empty cylinders).....	2,020.00	
Received from labor for thawing frozen services.....	47.26	
Received from sale of cast iron pipe, scrap, cloth bags, oil barrels and miscellaneous merchandise.....	381.60	
Received from sale of grass.....	18.00	
Received from use of transformer.....	13.00	
Received for repairs to damaged hydrants....	117.83	
Received from Maine Central Railroad Co. (refund on freight charges).....	34.91	

Received from miscellaneous labor items....	43.70	
Received from sale of Liquid Chlorine.....	8.00	
		<hr/>
		\$2,684.30
		<hr/>
		\$103,002.48

## CONTRA

Paid Thomas G. Donovan, City Treasurer....	\$102,400.00	
Cash on hand.....	602.48	
		<hr/>
		\$103,002.48

The total refunds for vacancies and non-use of fixtures for the year was \$207.77, which was paid from petty cash fund.

## CHARGES ON WATER LEDGERS

Amount per schedule ledger, from March 1, 1919 to March 1, 1920.....	\$76,275.42	
Amount per meter ledger.....	23,101.32	
Fire Services, (Automatic).....	534.42	
Amount to Charitable Institutions.....	2,352.60	
		<hr/>
		\$102,263.76
Add the amount appropriated by the City Council and credited the department for water furnished the various departments ..		<hr/>
		12,000.00
		<hr/>
Shows the total credit for water service revenue.....		\$114,263.76

It is a pleasure to report that holding to the record, obtained for many years, the entire water charges for the year have been paid.

## NON-PAYMENT OF WATER RATES

It has not been necessary to shut off any service for non-payment of water rates. This reflects very creditably upon the customers.



## TURN-ON AND SHUT-OFF RECORD

Eight hundred and sixty-eight (868) orders have been issued for turning on water and removing seals from fixtures.

Eight hundred and nineteen (819) orders have been issued for shutting off water on account of vacancies and seals applied to fixtures at the request of owners.

The following amounts represent an estimate of the water furnished the City Department:

Incidental Account.....	\$921.00
School Department.....	1,610.25
Highway Department.....	1,312.50
Fire Department.....	8,051.50
Pauper Department.....	222.50
Sewer Department.....	400.00
Electric Department.....	62.00
Police Department.....	111.00
Park Department.....	350.00
Water Department.....	117.00

There were thirty-two (32) new services installed during the past season, and the fixtures connected therewith, together with those returned by the inspectors which had not been reported by the plumbers, amounting to \$1109.50 classed as follows:

65 Sinks	28 Sill Faucets
87 Water Closets	3 Combination Heaters
83 Bath Tubs	9 Hot Water Heaters
89 Wash Bowls	21 Steam Boilers
72 Set Tubs	5 Garage Faucets
9 Plain Faucets	3 Bar Faucets
7 Cellar Faucets	2 Chair Bowls
3 Carbonators	1 Spray
2 Urinals	1 Garden Faucet
1 Stable Faucet for	1 Candy Cooler
1 horse and one cow	1 Dish Washer
1 Soda Fountain Sink	



The Inspectors, Mr. Cornelius O'Brien and Mr. Thomas V. Campbell have made the usual house to house inspections and while the results have not been as large as in former years, it can be attributed partly to the extreme unfavorable weather conditions in January and February and also to the protracted illness of Mr. O'Brien.

Mr. O'Brien's many years of faithful service and his tactful methods of carrying out his work will long be remembered.

### YEARLY REVENUE

Statement of the yearly revenue received from water service since the introduction of the Water Works in 1875:

From introduction to March 14, 1877.....	\$7,198.55
From March 14, 1877 to March 14, 1878.....	11,835.75
From March 14, 1878 to March 14, 1879.....	20,269.50
From March 14, 1879 to March 14, 1880.....	20,970.50
From March 1, 1880 to March 8, 1881.....	23,133.00
From March 8, 1881 to March 15, 1882.....	26,014.00
From March 15, 1882 to March 14, 1883.....	26,408.00
From March 14, 1883 to March 14, 1884.....	26,947.61
From March 14, 1884 to March 14, 1885.....	28,052.00
From March 14, 1885 to March 16, 1886.....	35,875.75
From March 16, 1886 to March 16, 1887.....	33,465.57
From March 16, 1887 to March 13, 1888.....	35,118.97
From March 13, 1888 to March 12, 1889.....	37,316.61
From March 12, 1889 to March 13, 1890.....	40,552.12
From March 13, 1890 to March 10, 1891.....	44,668.30
From March 10, 1891 to March 10, 1892.....	46,864.09
From March 10, 1892 to March 10, 1893.....	47,763.19
From March 10, 1893 to March 10, 1894.....	49,878.83
From March 10, 1894 to March 1, 1895.....	53,405.30
From March 1, 1895 to March 1, 1896.....	56,005.43
From March 1, 1896 to March 1, 1897.....	59,173.21
From March 1, 1897 to March 1, 1898.....	63,447.10

From March 1, 1898 to March 1, 1899.....	66,766.72
From March 1, 1899 to March 1, 1900.....	66,610.91
From March 1, 1900 to March 1, 1901.....	60,300.68
From March 1, 1901 to March 1, 1902.....	61,673.52
From March 1, 1902 to March 1, 1903.....	64,362.83
From March 1, 1903 to March 1, 1904.....	66,559.27
From March 1, 1904 to March 1, 1905.....	66,829.59
From March 1, 1905 to March 1, 1906.....	71,222.24
From March 1, 1906 to March 1, 1907.....	75,001.98
From March 1, 1907 to March 1, 1908.....	76,875.63
From March 1, 1908 to March 1, 1909.....	78,738.09
From March 1, 1909 to March 1, 1910.....	81,812.92
From March 1, 1910 to March 1, 1911.....	81,615.38
From March 1, 1911 to March 1, 1912.....	95,579.94
From March 1, 1912 to March 1, 1913.....	98,895.00
From March 1, 1913 to March 1, 1914.....	102,888.18
From March 1, 1914 to March 1, 1915.....	103,242.02
From March 1, 1915 to March 1, 1916.....	105,122.71
From March 1, 1916 to March 1, 1917.....	108,158.94
From March 1, 1917 to March 1, 1918.....	110,260.18
From March 1, 1918 to March 1, 1919.....	110,726.36
From March 1, 1919, to March 1, 1920.....	114,376.36
	<hr/>
	\$2,661,982.83

It is with pleasure that I convey my thanks to the Mayor, Members of the Water Board and Associates in the Water Board Office for the hearty cooperation in carrying out the duties of this office. May I further extend my sincere appreciation to the Water Customers for the pleasant relationship which has existed for the many years I have been connected with this Department.

Respectfully submitted,

Walter I. Brown,

Clerk and Collector.

## Balance Sheet—February 29, 1920

## ASSETS

Fixed Capital June 30, 1915.....	\$1,478,330.17
Fixed Capital installed since June 30, 1915.....	44,683.40
Cash.....	602.48
Petty Cash.....	500.00
Accounts Receivable.....	120.00
Material and Supplies.....	19,026.25
Special Deposit for outstanding Coupons.....	470.00
Contingency Fund (City Treasurer).....	30,024.94
Sinking fund uninvested.....	12,283.94
Sinking fund invested in U. S. 4½ bonds.....	131,200.00
Sinking fund invested in City of Bangor 4% water bonds.....	1,000.00
Meters.....	63.26
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Total Assets.....	\$1,718,304.44

## LIABILITIES

Funded Debt bonds.....	\$500,000.00
Bond Interest Matured:	
January 1, 1918.....	20.00
January 1, 1919.....	20.00
July 1, 1919.....	40.00
January 1, 1920.....	390.00
Bond Interest Accrued.....	3,333.34
Prepaid Commercial sales.....	527.48
Sinking fund Reserve.....	144,483.94
Depreciation Reserve.....	99,746.64
Surplus.....	969,743.04
<hr/>	
Total Liabilities.....	\$1,718,304.44

1920]

## CITY OF BANGOR

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## SURPLUS ACCOUNT

Balance Feb. 28, 1919.....	\$963,641.36
Add profit Feb. 29, 1920.....	6,101.68
<hr/>	
Surplus Feb. 29, 1920 per Balance Sheet.....	\$969,743.04

## CERTIFICATE

Having audited the financial records of the Bangor Water Board for the year ended February 29, 1920, I hereby certify that the accompanying Balance Sheet is a true statement according to my best knowledge and belief.

George M. Graffam.

Certified Public Accountant,  
Portland, Maine.

## STATEMENT OF OPERATING ACCOUNTS

March 1, 1919 to February 29, 1920

## REVENUE

Commercial Sales.....	\$90,533.60	
Industrial Sales.....	12,809.88	
Fines.....	121.23	
Merchandise Sales.....	20.28	
Rents and Privileges.....	18.00	
Misc. Non-operating Revenues.....	185.22	
<hr/>		
Gross Revenue.....		\$103,688.21

## EXPENSES

Pumping Labor.....	\$6,575.00
Fuel for Steam.....	3,172.47
Lubricants.....	302.04
Other Supplies and Expenses.....	535.76

Maint. Pumping Station Structures.....	2,143.38	
Maint. Dams and Piers.....	1,401.93	
Maint. Boiler Plant.....	147.68	
Maint. Pumping Station Equipment.....	1,970.52	
Other Maint. Expenses.....	51.75	
Purification Labor.....	7,277.86	
Purification Supplies and Expenses.....	10,445.59	
Maint. Purification System.....	3,486.39	
Distribution Labor.....	3,670.37	
Work on Consumers Premises.....	971.73	
Distribution Supplies and Expenses.....	1,248.72	
Maint. Distribution Mains.....	1,285.42	
Maint. Reservoirs and Standpipes.....	995.37	
Maint. Services.....	3,902.23	
Maint. Meters.....	439.68	
Maint. Fire Hydrants.....	1,840.94	
Maint. Fountains and Troughs.....	29.52	
Other Distribution Maint.....	586.23	
Commercial Salaries and Expenses.....	4,336.57	
Commercial Office Supplies and Expenses.....	805.69	
Salaries and Expenses (Gen. office).....	2,708.40	
Salaries Gen. office clerks.....	624.00	
Water Meter, Installation work.....	36.60	
General office supplies and Expenses.....	415.79	
General Expense.....	39.75	
Insurance.....	1,619.31	
Stable and Garage Expense.....	1,457.91	
Store room Expense.....	191.31	
Misc. Adjustments.....	58.18	
Taxes.....	33.00	
Uncollectible accounts.....	50.00	
		<hr/>
Total Expense.....		\$64,857.09
Total Revenue.....		103,688.21
Total Expense.....	\$64,857.09	

1920]

CITY OF BANGOR

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DEDUCTIONS

Depreciation and Contingency.....	\$11,354.90
Interest Paid.....	20,000.00
Refunded.....	207.77
Abatements.....	1,166.77

Total Deductions.....	\$32,729.44
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97,586.53

Net Profit added to Surplus.....

\$6,101.68

## Report of Engineer at Pumping Station

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March 1, 1920.

*To the Bangor Water Board:—*

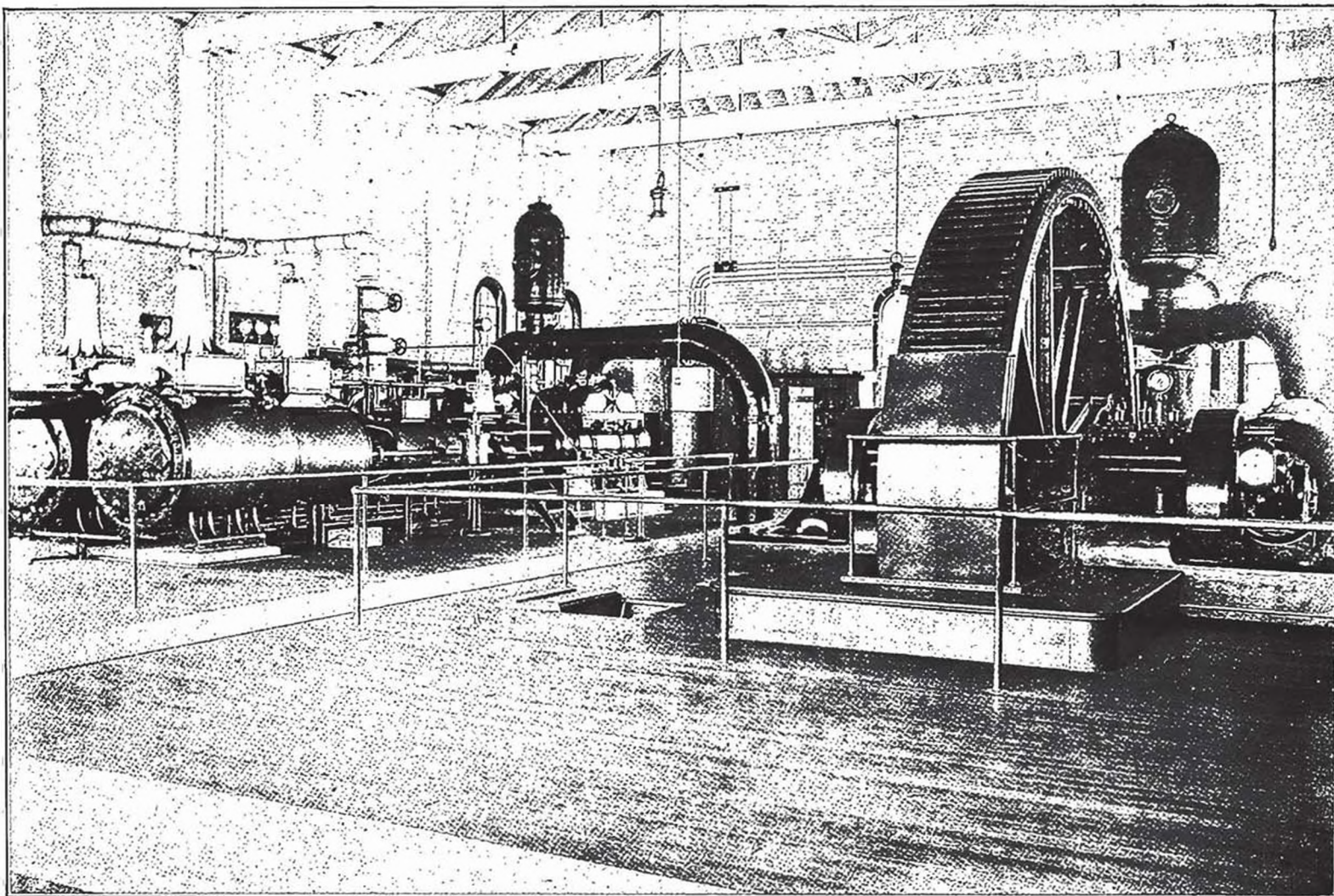
Gentlemen:—Permit me to submit the following report of the Pumping Station for the year ending February 29, 1920. The amount of water pumped to the consumer during the past year has been as follows:

1919	Gallons
March.....	111,213,700
April.....	103,825,400
May.....	113,138,200
June.....	124,160,000
July.....	128,160,200
August.....	114,520,300
September.....	121,210,900
October.....	124,124,000
November.....	118,789,100
December.....	130,908,100
1920	
January.....	148,625,800
February.....	142,423,400
Total.....	1,481,108,100

An average per day of 4,046,735 gallons.

It was not necessary to use the steam pump during the past year. In July the No. 1 water wheel on the line which runs the Deane Power Pump was repaired. A new step, spider and mor-





THE DEANE POWER AND STEAM PUMPS



tise gear was put on the shaft. At the same time the other wheels on this line were inspected and worn parts replaced by new ones.

In closing I wish to thank the Water Board, the Superintendent and employees at the Pumping Station for their hearty cooperation during the year.

Respectfully submitted,

J. W. Dougherty,

Chief Engineer.

## Report of The Chemist and Bacteriologist

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Troy, N. Y., March 1st, 1920.

*The Honorable, The Bangor Water Board, Bangor, Maine.*

Gentlemen:

Permit me to submit a review of the operation of the Filter Plant for the year ending February 29th, 1920.

The plant is in charge of Mr. A. C. Powell, resident chemist and bacteriologist.

The results now cover a period of eleven years, during which time much valuable data has been obtained.

In order to understand the results a short description of the plant is not out of place.

The Penobscot River has been the source of the Bangor water supply ever since the original pumps were installed in 1876.

The drainage area of the Penobscot River, above the water works intake, is about 7,700 square miles. The water is always highly colored, carries very little matter in suspension but is somewhat polluted, due to sewage from several localities, waste from pulp mills and drainage from numerous farms.

In January, 1897, a Warren Type Gravity Filter Plant was placed in operation, this plant was operated without any coagulant until 1905 and of course only removed the coarser suspended matter. As there was no coagulation basin, there was not suffi-

cient time for the chemical reactions and the aluminum hydrate was not formed until after the water has passed the filters.

In 1908 the coagulation basin was completed and placed in operation. This basin is in use at the present time in connection with the modern filter plant. The basin has a capacity of 1,500,000 gallons, the water entering and leaving at the top, and as no baffles were installed the retention period was about 2 hours when operating at a rate of 5 million gallons per day.

During the past year some baffles were placed in this basin, so that at the present time the retention period is about 3 hours when operating at a rate of 5 million gallons per day.

A modern concrete gravity filter plant was placed in operation February 6th, 1911, and consisted of six filter units. In 1912 the capacity of this plant was increased by the equipment of two blank units, so that at the present time this plant consists of eight units with a total sand area of 3,470 square feet.

The usual mechanical filter plant with a similar sand area, operating at the rate of 2 gallons per square foot per minute would have a capacity of about 10 million gallons per day, but owing to the character of the water to be treated, this plant is operated at a rate not exceeding 1.6 gallons per square foot per minute. At this rate the capacity is 8 million gallons per day, but of course this rate could be exceeded under certain conditions.

This plant has been in operation for nine years. During the past year the sand was removed and the laterals and strainers cleaned. This is the only trouble experienced to date with this plant.

The sand in the filters has an effective size of .55 to .59mm. and a uniformity coefficient of 1.25 to 1.47.

At times of extreme cold weather ice has formed in the rear of the filter units, under the concrete deck, but this has been overcome by reducing the "head" of water on the sand beds, so that air may circulate freely under the filter decks.

In operating the filters during the cold weather, it is necessary to wash them every six or eight hours, otherwise they become "air bound" and permit undesirable water to pass. The "air bound" conditions commence when the temperature of the water is below 45° F. When the water is warmer it is possible to operate the filters from sixteen to twenty-four hours, between washings.

Table Showing Water Filtered, Bangor, Me.

Year	Filtered	
1909-10	1,393,000,000 gallons	
1910-11	1,454,000,000 gallons	4.3% inc.
1911-12	1,508,000,000 gallons	3.7% inc.
1912-13	1,444,000,000 gallons	4.1% dec.
1913-14	1,505,000,000 gallons	4.3% inc.
1914-15	1,444,000,000 gallons	4.1% dec.
1915-16	1,360,000,000 gallons	5.8% dec.
1916-17	1,400,000,000 gallons	2.9% inc.
1917-18	1,483,000,000 gallons	5.9% inc.
1918-19	1,381,000,000 gallons	6.5% dec.
1919-20	1,468,000,000 gallons	6.3% inc.

The average amount of water treated during the past year was about 4,011,000 gallons per day.



FILTER PLANT AND PUMPING STATION

Table Showing Waste Water, Bangor, Me.

Year	Waste	Percent
1909-10	139,960,000 gallons	10.0%
1910-11	116,256,000 gallons	7.9%
1911-12	47,073,000 gallons	3.1%
1912-13	55,848,000 gallons	3.9%
1913-14	98,563,000 gallons	6.5%
1914-15	92,798,000 gallons	6.4%
1915-16	87,938,000 gallons	6.4%
1916-17	96,299,000 gallons	6.9%
1917-18	83,814,000 gallons	5.6%
1918-19	103,923,000 gallons	7.5%
1919-20	124,736,000 gallons	8.7%

The waste water includes that used for washing the filters and also that discharged from the coagulation basins when they are cleaned. The coagulation basins have a combined capacity of  $1\frac{1}{2}$  million gallons and are cleaned several times each year.

It is to be noted that since the new filter plant has been in operation there has been a reduction in the amount of waste water. As filtered water is used in washing the filters, this means a saving in the cost of operation.

During the year 5,062 filters were washed, an average of 13.9 per day, this is an increase of 591 units or 13.2%.

The average amount of water used in washing one unit was about 24,000 gallons, the unit being out of service about 10 minutes for each wash.

Table Showing Water Delivered to Consumers, Bangor, Me.

Year	Delivered	
1909-10	1,253,000,000 gallons	6.7% inc.
1910-11	1,338,000,000 gallons	6.7% inc.
1911-12	1,493,000,000 gallons	11.5% inc.
1912-13	1,388,000,000 gallons	7.1% dec.
1913-14	1,452,000,000 gallons	4.6% inc.
1914-15	1,394,000,000 gallons	4.0% dec.
1915-16	1,302,000,000 gallons	6.6% dec.
1916-17	1,384,000,000 gallons	6.2% inc.
1917-18	1,466,000,000 gallons	5.9% inc.
1918-19	1,379,000,000 gallons	5.9% dec.
1919-20	1,344,000,000 gallons	2.6% dec.

The average amount of water delivered was about 3,672,000 gallons per day or a per capita consumption of about 175 gallons, these figures include a large amount of water used in washing the mains and street sprinkling.

The general operating results, by months, will be found in the following table.

The bacterial efficiency of the plant is shown in the following table, the results include a period of two years (1909-11) with the old filters and eight with the new filters.

Table Showing Bacterial Removal, Bangor, Me.

Year	Basins	Filters	Total	Mains	Raw to Tap
Avg. 10 yr.					
1909-19	82.35%	83.23%	96.44%	11.73%	97.08%
1919-20	83.04%	96.77%	99.46%	0.00%	99.46%

During a portion of the ten years (1909-19) calcium hypochlorite or liquid chlorine was added to the water, while during the past year liquid chlorine has been added at all times, the amount being 4.2 pounds per million gallons.

Since the new filters were placed in operation the bacterial efficiency of the plant has been good.



The bacterial content of the water is determined upon gelatin media incubated 48 hours at 20° C.

During the year the State Board of Health has examined the unfiltered and filtered waters several times, their results correspond with the results obtained in the Water Board Laboratory, showing a high filter efficiency and that the quality of the filtered is desirable for drinking purposes.

The removal of B. Coli-communis, the "intestinal bacillus" is also very satisfactory.

Table Showing Removal of B. Coli-communis, Bangor, Me.

Year	Basin and Filters	Mains	Raw to Tap
Avg. 10 yr.			
1909-19	95.53%	83.34%	99.10%
1919-20	98.88%	66.67%	99.63%

There has been a marked improvement in the removal of the B. Coli-communis since the new filters were placed in operation, this removal has also been greater since liquid chlorine has been applied to the water after it passes the coagulation basin and just before filtration.

During the past year 1710 samples of 1 c. c. each of the city tap water were examined for B. Coli-communis, only six or .35% gave positive results.

The peculiar character of the water can best be seen from a study of the results in detail.

The unfiltered water always contains a high color, very little turbidity and a low alkalinity. The bacterial content varies considerably, the intestinal bacillus, B. Coli-communis is always present.

The turbidity is generally due to wood pulp.



Table Showing COLOR, in parts per million, Unfiltered Water, Bangor, Me.

Year	Maximum	Minimum	Average
Avg. 10 Yr.			
1909-19	108.6	43.9	61.2
1919-20	100.0	53.0	65.3

The maximum color of the unfiltered water was 28.6%; minimum 8.6% and the average 10.4% less than during the previous year.

Table Showing Range in COLOR, in parts per million, Unfiltered Water, Bangor, Me.

Color in parts per million	Avg. 5 yrs. 1909-14	Avg. 5 yrs. 1914-19	Year 1919-20 Days
0-40	0	14	0
41-50	102	60	0
51-60	131	149	244
61-70	69	85	45
Over 70	63	53	75

During the past year the color of the unfiltered water was above 70 parts per million on 75 days or 20.5% of the time.

Table Showing TURBIDITY, in parts per million, Unfiltered Water, Bangor, Me.

Year	Maximum	Minimum	Average
Avg. 10 Yr.			
1909-19	23.4	0.0	.61
1919-20	5.0	0.0	.07

During the past eleven years the maximum turbidity of the unfiltered water has never been above 50 parts per million. A small amount of turbidity in the unfiltered water is very desirable as it assists in the formation of the aluminum hydrate.

Table Showing Range in TURBIDITY, in parts per million, Unfiltered Water, Bangor, Me.

Turbidity parts per million	Avg. 5 yrs. 1909-14	Avg. 5 yrs. 1914-19	Year 1919-20 Days
0- 0	273	351	357
1-10	106	12	7
11-25	3	2	0
Over 25	1	1	0

During the past year the unfiltered water was free from turbidity on 357 days or 97.5% of the time.

Table Showing ALKALINITY, in parts per million, Unfiltered Water, Bangor, Me.

Year	Maximum	Minimum	Average
Avg. 10 yr.			
1909-19	15.5	7.0	11.3
1919-20	15.0	8.0	12.2

The average alkalinity of the unfiltered water was 5.1% higher than during the previous year.

Table Showing Range in ALKALINITY, in parts per million, Unfiltered Water, Bangor, Me.

Alkalinity parts per million	Avg. 5 yrs. 1909-14	Avg. 5 yrs. 1914-19	Year 1919-20 Days
0- 5	1	0	0
6-10	176	97	98
11-15	179	267	266
Over 15	8	0	0

During the past year the alkalinity of the unfiltered water was below 16 parts per million during the entire time, in fact the alkalinity has not been above 15 parts per million during the past eight years.

Table Showing BACTERIA, per c. c. Unfiltered Water, Bangor, Me.

Year Avg. 10 yr.	Maximum	Minimum	Average
1909-19	9,030	903	2,622
1919-20	5,200	1,100	1,828

The maximum number of bacteria per c. c. in the unfiltered water was 6.1% higher and the average 13.3% less than during the previous year.

Table Showing Range in BACTERIA, per c. c. Unfiltered Water, Bangor, Me.

Bacteria per c. c.	Avg. 5 yrs. 1909-14	Avg. 5 yrs. 1914-19	Year 1919-20 Days
0- 500	30	0	0
501-1000	16	3	0
1001-2500	157	210	335
2501-5000	139	141	22
Over 5000	17	11	1

During the past year the bacteria per c. c. in the unfiltered water were less than 2,500 on 335 days or 91.6% of the time.

During the past six years the bacteria per c. c. in the unfiltered water have never been below 500.

Table Showing Tests for B. COLI-COMMUNIS, 1 c. c. Samples, Unfiltered Water, Bangor, Me.

Year Avg. 10 yr.	Samples Examined	Positive	Percent Positive
1909-19	1108	919	82.9%
1919-20	1710	1580	92.4%

The B. Coli-communis in the unfiltered water was 6.9% higher than during the previous year.

A mineral analyses of the unfiltered water is made every month.

Table Showing MINERAL ANALYSIS, in parts per million, Unfiltered Water, Bangor, Me.

	Avg. 10 yrs. 1909-19	Avg. 1 yr. 1919-20
Total Solids	61.36	67.50
Loss on Ignition	43.31	43.42
Mineral Residue	23.04	24.08
Silicon	1.87	1.79
Aluminum	.97	.83
Calcium	5.76	6.17
Magnesium	1.89	1.15
Iron	.22	.19
Sulphates	6.26	6.79

A complete sanitary examination of the unfiltered water is made each month, the results will be found in the following table.

Compared with the results of the previous year there was an increase in chlorine, albuminoid ammonia, nitrates and hardness and a reduction in color, total solids, carbon dioxide and iron.

The unfiltered water is pumped to a two compartment covered coagulation basin which has a combined capacity of 1,500,000 gallons. This basin is about 16 feet in depth and the water enters and leaves the basins near the surface.

During the past year some baffles were installed within this basin which has increased its efficiency.

Before the water enters this basin the coagulent, sulphate of alumina, is added and owing to the low alkalinity of the unfiltered water it is also necessary to add lime or soda-ash in order to get proper reactions.

When calcium hypo-chlorite was used (1910-17) it was applied to the water before it entered the coagulation basins.

The sulphate of alumina is purchased under specifications, and has been obtained from the Pennsylvania Salt Mfg. Co., Philadelphia, Penna., since 1910.

The specifications are as follows:

"Alumina,  $\text{Al}_2\text{O}_3$  not less than 17.50%; Acid,  $\text{SO}_3$  not more than 38.00%; Iron,  $\text{Fe}_2\text{O}_3$  not more than .40%; Insoluble, not more than .25%; Water,  $\text{H}_2\text{O}$  not more than 47.00%.

If the results of the analyses show the Alumina ( $\text{Al}_2\text{O}_3$ ) to be below 17.5% and above 17.0% a deduction of eight cents per hundred pounds is made. If the Aluminum is below 17.0% and above 16.5% a deduction of fifteen cents per hundred pounds is made.

For each .25% or fraction thereof of Iron calculated as  $\text{Fe}_2\text{O}_3$  above .40% a reduction of five cents per hundred pounds is made.

The sulphate of alumina shall contain no free acid. It is understood that if the Alumina ( $\text{Al}_2\text{O}_3$ ) is over 17.5% the Acid ( $\text{SO}_3$ ) may be increased in the proper proportion."

Table Showing the Average Composition of the SULPHATE OF ALUMINA Used, Bangor, Me.

Year	Alumina	Iron	Acid	Water	Insoluble
Avg. 10 yr.					
1909-19	17.73%	.56%	39.82%	41.74%	.11%
1919-20	17.62%	.37%	39.75%	42.09%	.15%

Since the sulphate of alumina has been purchased under specifications the composition has been more uniform and the salt has contained a high amount of alumina and a small amount of iron.

Table Showing Average Amount of Sulphate of Alumina, Lime, Soda-ash, Calcium Hypo-chlorite and Liquid Chlorine Used, in grs. per gallon.

Year	Alumina	Lime	Soda-ash	Hypo	Chlorine
Avg. 10 yr.					
1909-19	1.89	.22		.10	.02
1919-20	1.95	.14	.10		.06

During the year the use of lime was discontinued and soda-ash has been used to make up the deficiency in alkalinity.

The average amount of sulphate of alumina used remained the same as during the previous year. The alkalinity of the filtered water has been increased in the hopes of reducing the iron in the filtered water and thereby reduce the growth of Crenothrix in the mains.

Liquid chlorine is added to the water after it has passed the coagulation basin and before filtration.

The growth of Crenothrix in the mains is causing serious trouble with the service pipes and at times makes the water look very unsightly. Up to the present time this method of operation has not prevented the growth of Crenothrix.

The use of lime or soda-ash increases the alkalinity of the filtered water and also "sets" the color in the water, therefore the color removal is not as high as previously.

The coagulation basins are of great value to this plant, during the past eleven years the basins have removed 83.04% of the bacteria.

In 1911 mixing baffles were installed and in 1919 other baffles were installed, these have increased the efficiency of the basins.

Table Showing BACTERIA, per c. c. in Water After Passing the Coagulation Basins, Bangor, Me.

Year	Maximum	Minimum	Average
Avg. 10 yr.			
1909-19	1,984	101	428
1919-20	580	150	310

The average number of bacteria per c. c. passing the basins was 20.1% less than during the previous year.

Table Showing Range of BACTERIA, per c. c. Coagulated Water, Bangor, Me.

Bacteria per c. c.	Avg. 5 yrs. 1909-14	Avg. 5 yrs. 1914-19	Year 1919-20 Days
0- 100	25	2	0
101- 250	88	71	99
251- 500	148	228	249
501-1000	76	62	10
Over 1000	25	22	0

During the past year the water passing the basins contained less than 501 bacteria per c. c. on 348 days or 95.1% of the time.

The new filters still continue to produce satisfactory water, after eight years of operation it was necessary during the past year to clean the strainers and laterals, such conditions are to be expected.

A mineral analyses of the filtered water is made every month.

Table Showing MINERAL ANALYSIS, in parts per million,  
Filtered Water, Bangor, Me.

	Avg. 10 yrs. 1909-19	Avg. 1 yr. 1919-20
Total Solids	61.04	69.33
Loss on Ignition	34.83	35.08
Mineral Residue	32.16	34.25
Silicon	1.47	1.31
Aluminum	1.30	.89
Calcium	7.00	6.93
Magnesium	1.79	1.02
Iron	.14	.13
Sulphates	22.05	22.28

The plant removed 31.6% of the iron, however the filtered water contained .13 parts per million of iron.

The coagulation basins have a concrete cover and it is therefore impossible to aerate the water. As the unfiltered water, contains such a large amount of organic matter, aeration, no doubt, would remove some of the free carbonic acid gas from the water and assist in the removal of the iron.

A sanitary examination of the filtered water is made every month, the results will be found in the following table.

Compared with the previous year there was a reduction in color, albuminoid ammonia, nitrates, total solids, alkalinity and iron; and an increase in chlorine, free ammonia, required oxygen and hardness.

A study of the results, in detail, will show the great improvement in the quality of the filtered water since the new filters have been in operation.



Table Showing ALKALINITY, in parts per million, Filtered Water, Bangor, Me.

Year	Maximum	Minimum	Average
Avg. 10 yr.			
1909-19	7.5	3.0	4.5
1919-20	8.0	4.0	6.2

It is to be noted that the average alkalinity of the filtered water has been increased, the object being to remove the iron and carbonic acid from the water, and in this way to starve the growth of Crenothrix in the mains.

In order to maintain any alkalinity in the filtered water it is necessary to add lime or soda-ash at all times, this of course "sets" the color in the water, therefore the color removal is not very high.

Table Showing Range in ALKALINITY, in parts per million, Filtered Water, Bangor, Me.

Alkalinity parts per million	Avg. 5 yrs. 1909-14	Avg. 5 yrs. 1914-19	Year 1919-20 Days
0- 5	342	261	53
6-10	21	104	311
Over 10	1	0	0

The alkalinity of the filtered water was below 6 parts per million on 53 days or 14.5% of the time, and was not below 4 parts per million during the entire year.

Table Showing TURBIDITY, in parts per million, Filtered Water, Bangor, Me.

Year	Maximum	Minimum	Average
Avg. 10 yr.			
1909-19	0.8	0.0	.13
1919-20	0.0	0.0	.00

The turbidity in the filtered water was due to aluminum hydrate passing the coarse sand in the old filters.

Table Showing Range in TURBIDITY, in parts per million, Filtered Water, Bangor, Me.

	Turbidity parts per million	Avg. 5 yrs. 1909-14	Avg. 5 yrs. 1914-19	Year 1919-20 Days
	0-0	301	365	365
	1-5	63	0	0
Over	5	1	0	0

During the past eight years there has been a very slight turbidity in the filtered water for a few minutes due to aluminum hydrate, this was caused by operating the filters too long between washings or to "air binding" breaking the beds.

Table Showing COLOR, in parts per million, Filtered Water, Bangor, Me.

Year	Maximum	Minimum	Average
Avg. 10 yr.			
1909-19	29.9	3.7	12.8
1919-20	45.0	8.0	16.0

The effect of increasing the alkalinity of the filtered water is reflected by an increase in color.

Table Showing Range in COLOR, in parts per million, Filtered Water, Bangor, Me.

	Color in parts per million	Avg. 5 yrs. 1909-14	Avg. 5 yrs. 1914-19	Year 1919-20 Days
	0-20	280	346	311
	21-30	42	18	42
	31-40	22	1	9
Over	40	20	0	2

During the past year the color of the filtered water was below 21 on 311 days or 84.9% of the time.

Table Showing BACTERIA, per c. c. Filtered Water, Bangor, Me.

Year	Maximum	Minimum	Average
Avg. 10 yr.			
1909-19	620	7	81
1919-20	41	2	10

The average number of bacteria per c. c. in the filtered water was 58.4% less than during the previous year.

Table Showing Range in BACTERIA, per c. c. Filtered Water, Bangor, Me.

Bacteria per c. c.	Avg. 5 yrs. 1909-14	Avg. 5 yrs. 1914-19	Year 1919-20 Days
0- 25	87	117	347
26- 50	110	183	11
51- 75	44	51	0
76-100	18	13	0
Over 100	102	1	0

The bacteria in the filtered water, during the past year, were below 51 per c. c. on 358 days or 97.8% of the time, and below 26 per c. c. on 347 days or 94.8% of the time.

Table Showing Tests for B. COLI-COMMUNIS, 1 c. c. Samples, Filtered Water, Bangor, Me.

Year	Samples Examined	Positive	Percent Positive
Avg. 10 yr.			
1909-19	1110	28	2.52%
1919-20	1710	18	1.05%

During the past year 1710 samples of 1 c. c. each of the filtered water were examined for B. Coli-communis, only 18 or 1.05% gave positive results.

Each day a sample of city tap water is collected about  $1\frac{1}{2}$  miles from the filter plant for examination.

A mineral analyses of the city tap water is made once each month.

Table Showing MINERAL ANALYSIS, in parts per million, City Tap Water, Bangor, Me.

	Avg. 10 yrs. 1909-19	Avg. 1 yr. 1919-20
Total Solids	67.10	76.08
Loss on Ignition	34.84	36.67
Mineral Residue	32.22	34.42
Silicon	1.46	1.28
Aluminum	1.30	.88
Calcium	7.08	7.14
Magnesium	1.79	1.00
Iron	.14	.13
Sulphates	21.93	22.05

Once each month a complete sanitary examination of the city tap water is made, the results will be found annexed.

Compared with the previous year, there was an increase in chlorine, free and albuminoid ammonia, and hardness and a decrease in color, nitrates, total solids and iron.

Table Showing TURBIDITY, in parts per million, Tap Water, Bangor, Me.

Year	Maximum	Minimum	Average
Avg. 10 yr.			
1909-19	0.6	0.0	0.015
1919-20	0.0	0.0	0.000

During the past nine years the city tap water has been free from turbidity.

Table Showing Range in TURBIDITY, in parts per million, Tap Water, Bangor, Me.

Turbidity	Avg.	Avg.	Year
parts per	5 yrs.	5 yrs.	1919-20
million	1909-14	1914-19	Days
0-0	341	365	366
1-5	24	0	0
Over 5	0	0	0

Table Showing COLOR, in parts per million, Tap Water, Bangor, Me.

Year	Maximum	Minimum	Average
Avg. 10 yr.			
1909-19	32.7	4.3	13.3
1919-20	43.0	8.0	16.1

The average color in the city tap water is higher than previously due to the increase in the alkalinity.

Table Showing Range in COLOR, in parts per million, Tap Water, Bangor, Me.

Color in	Avg.	Avg.	Year
parts per	5 yrs.	5 yrs.	1919-20
million	1909-14	1914-19	Days
0-20	275	348	316
20-30	40	16	40
31-40	27	1	5
Over 40	23	0	3

During the past year the color of the tap water was below 21 parts per million on 316 days or 86.3% of the time.

Table Showing BACTERIA, per c. c. Tap Water, Bangor, Me.

Year	Maximum	Minimum	Average
Avg. 10 yr.			
1909-19	453	5	69
1919-20	40	2	10

The average number of bacteria per c. c. in the tap water was 58.3% less than during the previous year.

The average number bacteria in the city tap water during the past eleven years was 63 per c. c. while during the nine years the new filters have been in operation the average bacteria has been 35 per c. c.

In passing through the mains from the filter plant to the city tap there is a decrease in the bacterial content of the water, the average decrease during the past eleven years was 14.9%.

Table Showing Range in Bacteria per c. c. Tap Water, Bangor, Me.

Bacteria per c. c.	Avg. 5 yrs. 1909-14	Avg. 5 yrs. 1914-19	Year 1919-20 Days
0- 25	116	130	349
26- 50	108	184	9
51- 75	21	40	0
76-100	22	10	0
Over 100	98	1	0

During the past year the bacteria in the city tap water were below 51 per c. c. on 358 days or 97.8% of the time.

Table Showing Tests for B. COLI-COMMUNIS, 1 c. c. Samples, Tap Water, Bangor, Me.

Year Avg. 10 yr.	Samples Examined	Positive	Percent Positive
1909-19	1110	7	0.63%
1919-20	1710	6	0.35%

During the past year 1710 samples of 1 c. c. each were examined for B. Coli-communis, only 6 or .35% gave positive results.

As a whole the results show that a water of good sanitary quality is being delivered to the consumers.

During the year a new liquid chlorine apparatus was installed in the filter plant, so that in an emergency there is a duplicate equipment.

Owing to the present high cost of labor and materials it is not advisable to do any more construction work than is absolutely necessary, however, it would be well to make plans for future improvements, as follows.

Remove cover from coagulation basin, placing house over same and aerate the water.

Replace present timber flume with masonry construction.

Place recording meters on the discharge lines from the high duty pumps.

Select a location and determine the size of a new stand pipe for the storage of an additional amount of filtered water.

Move chief engineer's house across the street and construct a railroad siding and coal shed, so that it would be possible to deliver supplies direct from the cars.

The general condition of the entire works is very satisfactory.

Permit me to express my appreciation of the hearty co-operation of the members of the Board in all matters which have been brought to your attention and to also express my appreciation for the many courtesies extended by all of the employees.

Respectfully submitted,

James M. Caird.

## Location of Fire Hydrants and Nominal Pressure

(M Mathews, made by R. D. Wood & Co.)

(H Holly, made by Holly Mfg. Co.)

	Pressure in pounds	Make
Adams, corner York Street.....	80	H
Allen Street, 600 ft. north of Hammond.....	48	H
Allen and Fourteenth Streets.....	50	M
Bangor State Hospital.....	73	M
Bangor State Hospital.....	73	M
Bangor State Hospital.....	73	M
Bangor State Hospital.....	73	M
Barker, corner First Street.....	80	M
Bellevue Avenue and Garland Street.....	75	M
Birch, corner State Street.....	80	H
Birch, between State and Garland Street.....	75	H
Birch, between Garland and Mount Hope Ave...	73	H
Birch, and Hancock.....	90	M
Birch, corner Mount Hope Avenue.....	60	M
Blackstone, corner Fountain Street.....	68	M
Blackstone, 200 feet west of Center St.....	65	M
Boutelle Road.....	65	M
Boyd, corner York Street.....	83	H
Broad and Union Street.....	110	H
Broad and Circular Block.....	112	H
Broadway, corner French Street.....	55	M
Broadway, corner State Street.....	80	H



	Pressure in pounds	Make
Broadway, corner Penobscot Street.....	78	H
Broadway, corner Cumberland Street.....	68	H
Broadway, corner Garland Street.....	70	H
Broadway, opposite Congress Street.....	75	H
Broadway, near No. 370 Broadway.....	60	H
Broadway and Alden Street.....	65	M
Broadway and Arctic St.....	68	M
Buck and Main Street.....	90	H
Buck, near M. C. R. R. tracks.....	90	H
Carr and Hancock Street.....	105	H
Catell and Hubbard Street.....	88	M
Cedar and First Street.....	88	H
Cedar and Third Street.....	73	H
Cedar, corner Fourth Street.....	65	H
Cedar, corner West Broadway.....	40	H
Center, corner Somerset St.....	80	H
Center, corner Cumberland Street.....	80	H
Center, corner Garland St.....	80	H
Center, between Garland and South Park.....	78	M
Center, opposite Jefferson Street.....	78	H
Center, opposite Madison Street.....	70	H
Center, opposite Congress Street.....	65	H
Center, opposite Montgomery Street.....	55	H
Center, 600 feet north of Montgomery Street....	50	M
Center, corner Linden Street.....	50	M
Center, corner Poplar Street.....	50	M
Central, west of bridge.....	110	H
Central and Harlow Street.....	108	M
City Stables and County Building.....	105	H
City Farm, (Main Street in Yard).....	90	H
Columbia, opposite Cross Street.....	100	H
Cottage, corner Union St.....	45	H
Cottage, between Union and Ohio Street.....	38	M
Court, corner Hammond Street.....	90	H
Court, near Clark Street.....	88	H

	Pressure in pounds	Make
Court, corner Boynton Street . . . . .	78	H
Court, near Dr. Coe's Residence . . . . .	75	H
Curve, near Harlow Street . . . . .	100	M
Curve and Market Street . . . . .	85	M
Dean, corner Fourteenth Street . . . . .	43	M
Dillingham, 600 feet north of Main Street . . . . .	70	H
Dillingham, corner Main Street . . . . .	86	M
Dutton, opposite Noyes & Nutter's Foundry . . . . .	90	H
Dutton, near M. C. R. R. Tracks . . . . .	93	M
East Summer, corner Hancock Street . . . . .	93	H
East, corner Webster Avenue . . . . .	53	M
Elm, north of Mt. Hope Avenue . . . . .	70	M
Elm, between Somerset and Garland Street . . . . .	65	M
Elm, corner Garland Street . . . . .	68	H
Elm, corner Stillwater Avenue . . . . .	70	M
Elm, 875 feet north of Garland Street . . . . .	68	H
Elm, corner Milford Street . . . . .	68	H
Eastern Maine General Hospital, (in yard) . . . . .	95	M
Emerson, 475 feet from Main Street . . . . .	95	M
Essex, opposite Penobscot Street . . . . .	65	H
Essex, corner Somerset Street . . . . .	60	H
Essex, corner Cumberland Street . . . . .	63	H
Essex, corner Garland Street . . . . .	63	H
Essex, 400 feet north of Garland Street . . . . .	70	H
Essex, 800 feet north of Garland Street . . . . .	75	H
Essex, corner Stillwater Avenue . . . . .	75	H
Essex, opposite Milford Street . . . . .	68	H
Essex St. Extension, near Barnes Res. No. 524 . . . . .	63	M
Essex, corner York Street . . . . .	85	H
Everett, corner Bower Street . . . . .	70	H
Exchange, between Hancock and Washington St. . . . .	115	H
Exchange, corner Washington Street . . . . .	112	M
Fern, between State and Garland Street . . . . .	75	H
Fern, corner Garland Street . . . . .	72	H
Fern, between Garland and Mt. Hope Avenue . . . . .	80	M

	Pressure in pounds	Make
Fifth, corner Cedar Street.....	55	M
Fifth, between Cedar and Warren Street.....	60	H
Fifth, corner Warren Street.....	70	H
Fifteenth, 500 feet west of Ohio Street.....	58	H
First, corner Davis Street.....	85	H
Forest Avenue, corner State Street.....	70	H
Forest Avenue, corner Somerset Street.....	65	H
Forest Avenue, corner Coombs Street.....	63	H
Forest Avenue, north of Garland Street.....	60	H
Forest Avenue, corner Mt. Hope Avenue.....	63	H
Forest Avenue, corner Stillwater Avenue.....	60	H
Fountain, corner Congress Street.....	60	M
Fourteenth Street, corner Hammond.....	43	M
Fourteenth Street, 550 feet East of Allen.....	49	M
Fourteenth Street, near Hilton Residence.....	49	M
Fourth, between Cedar and Warren Street.....	70	H
Fourth, corner Parker Street.....	83	H
Franklin, corner Hammond Street.....	108	M
Franklin, east side.....	110	H
Fremont, near house No. 44, North side.....	70	M
French and Congress Street.....	65	M
French, 500 feet north of Congress St.....	60	M
French, corner West Park Street.....	75	M
French, corner South Park St.....	80	M
French, corner State Street.....	90	H
French, corner Penobscot St.....	73	H
French, corner Cumberland Street.....	73	M
French, corner Garland St.....	70	H
French and Washington Street.....	110	M
Front, opposite May Street.....	110	H
Front, at Eastern Steamship Co. wharf.....	110	M
Fruit, between State and Garland Street.....	85	H
Fruit, 500 feet north of Garland Street.....	75	H
Grant Street, East side.....	50	M
Grant Street, opposite corner Montgomery St....	50	M

	Pressure in pounds	Make
Gridley, corner Church Lane.....	80	H
Grove, corner Garland Street.....	60	M
Grove, between State and Somerset Street.....	55	H
Grove, between Somerset and Garland Street...	65	H
Grove, between Garland and Stillwater Avenue..	70	H
Grove, corner Stillwater Avenue.....	73	M
Hammond, opposite Yates Shoe Store.....	115	H
Hammond, opposite Fifth Street.....	55	H
Hammond, opposite Cedar Street.....	50	H
Hammond, opposite Seventh Street.....	50	M
Hammond, corner Webster Avenue.....	45	H
Hammond, opposite Thirteenth Street.....	48	M
Hammond and West Street.....	48	M
Hammond, near Norway Road.....	40	M
Hancock, corner Newbury Street.....	105	H
Hancock, corner Boyd Street.....	110	H
Hancock, corner Essex Street.....	100	H
Hancock, corner Oak Street.....	98	H
Hancock, corner Exchange Street.....	115	H
Harlow, corner Center Street.....	108	H
Harlow and Cumberland Street.....	105	H
Harlow, near Haynes Court.....	100	M
Harlow, opposite Plaining Mill.....	105	M
Harlow, corner Kenduskeag Avenue.....	105	H
Harvard and Bates Street.....	64	M
Harvard and Colby Street.....	66	M
Harvard and Mt. Hope Avenue.....	65	M
Haymarket Square and Independent Street.....	105	M
Haynes Court.....	110	H
Hellier, corner Parker Street.....	95	H
High, near Burpee Residence.....	78	H
Highland Avenue and Charles Street.....	43	H
Highland Lane.....	45	M
Highland Street, near Standpipe.....	20	H
Highland Street, and Highland Avenue.....	23	M

	Pressure in pounds	Make
Hogan Road and Bangor State Hospital.....	75	M
Hogan Road, 800 feet north from State Street.	85	M
Holland, 500 feet west of Valley Avenue.....	75	H
Holland, corner of Valley Avenue.....	100	H
Howard, corner Garland Street.....	75	M
Howard, 700 feet North of Garland.....	70	M
Howard, corner of State Street.....	85	H
James, corner of Highland Avenue.....	30	H
Jefferson, corner Norfolk Street.....	73	H
Jordan Road, and Tyler Avenue.....	74	M
Kenduskeag Avenue, opposite Division Street...	83	H
Kenduskeag Avenue, opposite Jefferson Street.	78	H
Kenduskeag Avenue, corner Madison Street....	74	H
Kenduskeag Avenue, corner Congress Street....	63	H
Kenduskeag Avenue, near John Scott's Residence	50	M
Kossuth, near Jesse Street.....	70	M
Lane, 500 feet east of Allen Street.....	48	H
Larkin and Third Street.....	70	M
Larkin, 590 feet north of Main Street.....	75	H
Leighton, corner Montgomery Street.....	45	H
Leighton, between Montgomery and Linden Street.....	45	H
Leighton, corner Poplar Street.....	48	M
Lincoln, 500 feet from Main St.....	78	H
Lincoln, corner Third Street.....	73	H
Linden, corner Leighton Street.....	45	M
Madison, corner Norfolk Street.....	63	H
Main, near E. C. Nichols Co. Store.....	110	H
Main, opposite Cross Street.....	105	H
Main, corner Middle Street.....	104	H
Main, corner Union Street.....	97	H
Main, near Davenport Park.....	100	H
Main, near Parkhurst Trunk Factory.....	103	H
Main, near Railroad Street.....	103	H
Main, near Gas House.....	100	M

	Pressure in pounds	Make
Main, in Gas House Yard . . . . .	100	M
Main, corner Patten Street . . . . .	98	H
Main, corner Sidney Street . . . . .	94	H
Main, corner Lincoln Street . . . . .	93	H
Main, corner Dutton Street . . . . .	95	H
Main, at City Farm . . . . .	93	H
Main, B. R. & E. Car Barn . . . . .	95	M
Main, corner Thatcher Street . . . . .	90	M
Main, near Railroad Bridge . . . . .	90	M
Main, at Hampden Line . . . . .	100	M
Manners Avenue and Union Street . . . . .	53	M
Maple and Garland Street . . . . .	70	M
Maple, 500 feet north of Garland Street . . . . .	68	M
Maple, corner State Street . . . . .	80	H
Maple, between State and Garland Street . . . . .	75	H
Maple, corner Mt. Hope Avenue . . . . .	65	M
Maplewood Park, Dutton Street entrance . . . . .	75	M
March, corner Main Street . . . . .	90	M
Market, corner Cumberland Street . . . . .	85	H
Market, corner Division Street . . . . .	83	M
Market, 100 feet north of Willow Street . . . . .	85	H
May, opposite Pleasant Street . . . . .	103	M
Merrimac, 200 feet from Hancock Street . . . . .	95	H
Montgomery, opposite Fountain Street . . . . .	45	M
Montgomery, corner Kenduskeag Avenue . . . . .	55	H
Morse & Co. Planing Mill in Yard . . . . .	110	H
Mt. Hope Avenue, north of Fruit Street . . . . .	65	M
Nelson, corner Drummond Street . . . . .	80	M
Newbury, corner York Street . . . . .	73	H
Norfolk, corner Congress Street . . . . .	60	M
North, corner West Street . . . . .	45	M
Norway Road, and Fairmount Park, East . . . . .	40	M
Norway Road, and Fairmount Park, West . . . . .	45	M
Oak, near Washington Street . . . . .	105	H
Ohio, corner Hammond Street . . . . .	75	H

	Pressure in pounds	Make
Ohio, between Hammond and Hudson Street ..	68	H
Ohio, corner Hudson Street.....	68	H
Ohio, opposite Everett Street.....	58	H
Ohio, corner Bower Street.....	63	H
Ohio, near Smith Street.....	53	M
Ohio and Autumn Street.....	45	M
Ohio, near Fremont Street.....	48	H
Ohio, corner Holland Street.....	50	H
Ohio, opposite Fourteenth Street.....	58	H
Ohio, opposite Sixteenth Street.....	65	H
Olive Court and Olive Street.....	85	M
Otis and Garland Street.....	80	M
Otis, corner State Street.....	105	H
Palm and State Street.....	78	M
Palm and Garland Street.....	68	M
Palm, 600 feet north of Garland Street.....	62	M
Park, 150 feet from State Street.....	105	M
Park, near Tarratine Club Building.....	95	H
Parker, opposite Second Street.....	75	H
Parkview, 500 feet north of Garland Street.....	68	H
Parkview, 600 feet south of Garland Street.....	75	H
Parkview, corner Mt. Hope Avenue.....	68	M
Parkview, north of Mt. Hope Avenue.....	60	M
Patten, near House, No. 79.....	80	H
Pearl, 300 feet south of State Street.....	85	H
Pearl, between State and Garland Street.....	80	H
Pearl, 600 feet north of Garland Street.....	75	H
Pearl, corner Mt. Hope Avenue.....	63	H
Perkins and Fourteenth Street.....	50	M
Pearl, corner State Street.....	80	H
Pickering Square and Water Street, West Side ..	110	M
Pier, corner Seventh Street.....	58	H
Pier and Sixth.....	70	M
Pine, opposite South Park Street.....	73	H
Pond and Hayward Street.....	48	H

	Pressure in pounds	Make
Prospect, corner Center Street.....	80	H
Pumping Station Filter Plant.....	120	H
Pumping Station Yard.....	120	H
Railroad, corner Front Street.....	108	H
Railroad, corner Pleasant Street.....	108	H
Railroad, corner Summer Street.....	105	M
Royal Road and Graham Avenue.....	43	M
Royal Road and Webster Avenue.....	63	M
Salem Court.....	80	M
Sanford, corner Cedar Street.....	85	M
Sanford, between Cedar and Warren Street.....	85	M
Sanford and Warren Street.....	80	M
Second, corner Cedar Street.....	78	H
Second, 300 feet from Union Street.....	80	M
Second, 300 feet north of Warren.....	95	H
Seventh and Lincoln Street.....	65	M
Seventh, between Savage and Larkin Street.....	60	M
Sidney, 130 feet south of Rio Street.....	83	M
Sixteenth, corner Union Street.....	55	H
Sixteenth, between Ohio and Union Street.....	60	M
Sixth, between Hammond and Pier Street.....	58	H
Somerset and Broadway.....	70	H
Somerset, between Grove and Elm Street.....	65	H
Somerset, corner French Street.....	70	H
South, corner Pleasant Street.....	95	H
Spring, between Harlow and Center.....	95	H
State, at Dr. Peter's Residence.....	110	M
State, at J. Frank Green's Ice House.....	112	M
State, at Hogan Road.....	112	M
State, at Eastern Maine General Hospital.....	95	H
State, between Forest Avenue and Grove.....	70	H
State, between Essex and Pine Street.....	70	H
State, corner Park Street.....	105	M
State, opposite Stickney & Babcock's Office.....	110	M
Summit Avenue and Garland Street.....	75	M



	Pressure in pounds	Make
Summer, corner Cedar Street.....	95	H
Summer, corner Union Street.....	100	H
Summer, opposite South Street.....	95	M
Thatcher, 175 feet west of Olive Street.....	90	M
Thatcher, 923 feet from Main Street.....	80	M
Third, corner Walter Street.....	70	H
Thirteenth, near school house.....	46	M
Union and Short Street.....	100	M
Union and High Street.....	78	H
Union, corner Clinton Street.....	80	H
Union, corner Hammond Street.....	70	H
Union, corner Hudson Street.....	60	H
Union, corner George Street.....	45	H
Union, corner Highland Street.....	28	M
Union and Fourteenth Street.....	55	M
Union and Fifteenth Street.....	55	M
Union, 210 feet north of Seventeenth Street....	53	M
Union, near C. H. Phillips residence.....	45	M
Valley Avenue, Morse & Co., hardware store ....	110	M
Valley Avenue, at Morse & Co's Mills.....	118	H
Valley Avenue, at S. A. Maxfield plant.....	105	M
Vine Street, 400 feet west of Third Street.....	65	M
Walter, 500 feet from Main Street.....	90	H.
Walter, north side.....	95	M
Warren, corner Third Street.....	73	H
Washington, east of Pine Street.....	110	H
Washington, at Railroad bridge.....	105	H
Water, corner Pickering Square.....	108	M
Webster Avenue, opposite Lincoln.....	50	H
Webster Avenue, North, 554 feet from Hammond Street.....	45	M
West Broadway, corner Union Street.....	30	H
West Broadway, corner Bowdoin Street.....	50	H
West Broadway, corner Lincoln Street.....	50	M
West Market Square, at Mercantile Block.....	112	H

	Pressure in pounds	Make
Wiley, between Union and Ohio Street.....	45	M
Wing, corner Seventh Street.....	60	H
Wing, corner Vernon Street.....	50	M
York, corner Broadway.....	90	H
York, corner French Street.....	110	H
York, corner Exchange Street.....	100	H

Total number 334.

In the previous list, 10 Hydrants are Private, as follows:

Bangor State Hospital.....	4
B. R. & E. Co., Main St.....	1
E. M. G. Hospital, State St.....	1
E. M. Fair Asso.....	1
S. A. Maxfield Plant, Valley Ave.....	1
Morse & Co., Valley Ave.....	1
Wood & Bishop Co.....	1
Total.....	10

## Report of the Chief of Police

Bangor, Maine, March 1, 1920.

*To the Honorable Mayor and City Government:*

Gentlemen:

I have the honor to submit herewith the annual report for the municipal year ending February 29, 1920.

Below is the record of arrests for the past municipal year of 1919-1920.

March 1st, 1920

	Res.	Non-Res.
Assault.....	2	1
Assault and battery.....	39	7
Assault with intent to kill and murder.....		2
Adultery.....	2	1
Affray.....	4	14
Arson.....	1	
Being an idle and disorderly person.....	7	14
Being a common nightwalker.....	1	
Breaking, entering and larceny.....	3	
Burglary.....		1
Carrying concealed firearms.....		2
Carnal knowledge of female child.....	1	
Common nuisance.....	14	
Common seller.....	1	
Conveyance of passengers and freight without a license..	9	
Drunkenness.....	211	691

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## CITY OF BANGOR

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	Res.	Non-Res.
Desertion and non support of wife and children . . . . .	3	
Desertion and non support . . . . .	11	
Driving an Auto not duly registered . . . . .	5	4
Driving an Auto without a license . . . . .	2	
Driving a public auto without a license . . . . .	5	
Driving an Auto at an unreasonable rate of speed . . . . .	5	1
Deserter U. S. Army . . . . .		1
Displaying firearms . . . . .		1
Embezzlement . . . . .	1	
Entering and remaining in a building for the purpose of prostitution, lewdness and assignation . . . . .	2	
Evading car fare . . . . .		4
Escaped from Insane Hospital and returned . . . . .		1
For other departments . . . . .	3	27
Fast driving . . . . .	1	
For employment of labor more than fifty-four hours in a given week . . . . .	8	
Forgery . . . . .	2	2
Fornication . . . . .	1	1
Gambling . . . . .	2	3
Having in her possession morphine . . . . .	2	1
Having in his possession morphine . . . . .	2	
Issuing a check without funds for payment . . . . .	2	1
Issuing a fraudulent check . . . . .	1	
Indecent exposure . . . . .	1	2
Keeping a gambling house . . . . .	1	
Larceny . . . . .	42	15
Larceny from the person . . . . .	5	1
Maintaining a home for children without a license . . . . .	1	
Malicious mischief . . . . .	1	2
Non support of wife and children . . . . .	2	
Non support of children . . . . .	1	
Neglect of children . . . . .	1	
Obstructing an Officer . . . . .		1
Operating a motor vehicle while under the influence of intoxicating liquor . . . . .	1	5

	Res.	Non-Res.
Operating a motor vehicle without being licensed . . . . .	2	
Obtaining money under false pretences . . . . .	3	
Obtaining goods under false pretence . . . . .		1
Permitting persons to gamble in a place under his control . . . . .	1	
Permitting the building to be used for prostitution . . . . .	2	
Pretending to have knowledge in physiognomy, palmistry, to tell fortunes, etc . . . . .		1
Receiving stolen goods . . . . .	1	
Receiving and allowing persons to be in a building for prostitution, lewdness and assignation . . . . .	1	1
Rape . . . . .	1	
Removal and concealment of mortgaged personal property . . . . .	1	
Reckless driving of a motor vehicle . . . . .	2	1
Receiving money from a prostitute . . . . .	1	
Residing in a building for prostitution and engaging in prostitution . . . . .	1	3
Robbery . . . . .	2	2
Runaway Girl . . . . .		1
Safe Keeping . . . . .	2	13
Search for intoxicating liquor . . . . .	4	
Search and seizure of intoxicating liquor . . . . .	8	
Search for implements of gambling . . . . .	1	
Selling and delivering morphine without a prescription . . . . .	1	
Single sale . . . . .	5	
Threatening to do bodily harm . . . . .	1	
Threatening to commit the offense of burglary . . . . .	1	
Threatening to commit an offense . . . . .	2	
Threatening to shoot . . . . .		1
Transporting of a female person for prostitution . . . . .	1	
Truant . . . . .	1	
Unlawful depositing of intoxicating liquors . . . . .	11	
Unlawful transportation of intoxicating liquor . . . . .	2	
Using profane language in a Street Car . . . . .	1	
Vexing and harassing after having been forbidden . . . . .	1	

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## CITY OF BANGOR

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	Res.	Non-Res.
Violation of the traffic regulation.....	5	4
Violation of the head light regulation.....	1	
Violation of the City Ordinance.....	6	1
Vagrancy.....		2
Witness.....	1	3
	<hr/>	<hr/>
	481	842
Total.....		1323
Shelters.....		283

## POLICE AUTOMOBILE AND AMBULANCE SERVICE

Conveying people to different City Hospitals.....	101
Conveying people to their homes from Accident or Sick- ness.....	39
Conveying people to the House of Correction.....	7
Insane Cases.....	42
Number of calls responded to by Police Automobile and Ambulance from March 1, 1919 to March 1, 1920.....	2052
Number of fire alarms responded to.....	63
Number of Officers responding to fire alarms.....	208
Number of lost children found and returned to their parents.....	35
Number of boys placed on probation previously arrested	25
Number of boys committed to the State School for Boys .	3
Number of doors found open on West Side.....	166
Number of doors found open on East Side.....	127
Number of Safes found open on West Side.....	13
Number of safes found open on East Side.....	1

In conclusion I wish to thank His Honor, the Mayor, the members of the City Government and subordinate officers, the Judge and Clerk of the Bangor Municipal Court for their earnest co-operation given me.

Respectfully submitted,

Anson A. Powers,

Chief of Police.

## Report of the Board of Health

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*To His Honor the Mayor, and Gentlemen of the City Council:*

The Board of Health submits its annual report concerning the work of the Health Department for the year ending March 1st, 1920.

The Board held its first meeting of the year for organization and the transaction of business, May 14th, 1919, with all members present, viz.: Daniel A. Robinson, M. D., Herman Y. Dyer, and John Goldthwait.

The Board at this meeting elected Daniel A. Robinson, M. D., Chairman, and John Goldthwait, Secretary and Executive Officer for one year.

The following figures will show the number of contagious diseases in our city the past year, also deaths and births. The number of resident deaths from various causes for the year 1919 was four hundred twenty-seven (427), and at an estimated population of twenty-six thousand (26,000) the death rate would be 16.48 per 1,000. Non-resident deaths at the several hospitals in the city were one hundred and fifty (150).

The births for the year were four hundred and sixty-eight (468) showing an increase over the deaths of forty-one (41).

There has been reported to the Board for the year ending March 1st, 1920, nine (9) mild cases of Diphtheria, forty-four (44) cases of Scarlet Fever, all of the cases of Scarlet Fever were in a very mild form, also six cases of Typhoid Fever; eighteen

(18) cases of Tuberculosis; two mild cases of Small Pox; ten (10) cases of Chicken Pox; forty-seven (47) cases of Mumps and thirty-five (35) cases of Whooping Cough. The deaths from Tuberculosis were thirty-three (33). There were four hundred and thirty-six (436) cases of Influenza reported, and sixty-five (65) deaths from Pneumonia of all kinds.

The following is a report of the work done in the Plumbing Ordinance Department the past year: Five hundred and thirty (530) permits issued for plumbing work. Sixty-five (65) sink wastes that were found unsanitary have been properly trapped and connected with drains. A four inch iron vent pipe from drainage system has been carried through roofs in thirty old houses (30). Thirty (30) old Hopper Cock closets replaced with the new tank closets. Eighteen (18) old tile drains taken out and replaced with iron pipe. Thirty-one (31) new sewer entrances have been made, also one thousand five hundred and eighty-five (1,585) inspections.

We are glad to report that the contagious disease hospital has been repaired and put in condition so that it can be used any time of year. The cellar has been built over, and the building has had new sheathing paper put on the out side, and new clapboards, and two coats of paint, which has put it in a very good condition.

One thousand one hundred and thirty-seven (1,137) feet of new sewer was laid last year, which helps to clean up the dirty places. We take this opportunity to again call the attention of the City Government to the great need of a sewer on Nelson street. There are several houses there without drainage. They have bath rooms complete and the sewerage runs down over the bank and spreads around on the ground which makes the place filthy and unhealthful. We hope that the incoming City



Government will see to it that a sewer is built there this spring as we feel that the place is a menace to health and should be attended to. We feel that the health of the city should be carefully looked after. There are a number of places in the city where sewers are badly needed and we hope that some of them will be constructed this year.

The dumps have been well looked after and have caused very little trouble or complaints. Some of the people seem to forget that there are two public dumps in the city, and in this report we wish to call the attention of the public, especially the truckmen who haul rubbish, that there is a dump on the east side on the extension of Pine Street; and on the west side on Sidney street near Third street. There is a man at each dump to look after them and see that they are kept clean and we urge the people to deposit their rubbish, or anything that is not clean that they have to remove, at these dumps. Any person dumping at any other place will be fined if they are caught doing so.

Through this report we wish to thank most heartily all citizens, and particularly the physicians, for their promptness in reporting contagious diseases, and also for the cordial support which they have given us in the performance of our duties. We wish also to thank the Mayor and City Government for their kindness and assistance.

Respectfully,

Harrison L. Robinson, M. D.

Herman Y. Dyer,

John Goldthwait,

Board of Health.



## **Report of the Public Library**



## BOARD OF MANAGERS

1920-1921

Jarvis B. Woods, (Mayor) *President*  
Arthur Chapin  
Frederic W. Adams  
William F. Curran  
Thomas G. Donovan (City Treasurer)  
Daniel A. Robinson, *Vice President*  
Thomas U. Coe  
Bernhard Pol  
Charles F. Bragg

Trustees of  
Hersey Fund

Representing  
Bangor  
Mechanic  
Association

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### TREASURER

Frederic W. Adams

### SECRETARY

\*Charles A. Flagg

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### COMMITTEES

*Auditing*, Mr. Pol  
*Finance*, Mr. Bragg  
*Library*, Dr. Coe, Dr. Robinson, Mr. Chapin  
*Purchasing*, Dr. Coe

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## OFFICERS OF THE LIBRARY

### LIBRARIAN

\*Charles A. Flagg, B. L. S.

### Assistants

Miss Carrie C. Mayberry	Miss Winifred L. MacKay
Miss Annie E. Wayland	Miss Olive M. Smythe
Miss Eva E. Rand	Miss Edna G. Dunham
Miss Carrie F. Rich	Miss Lora E. Blanding
Miss Christine L. Burnham	Miss Margaret W. Travers

### Janitor

Timothy E. Hollihan

### Assistant Janitor

Michael T. Connelly

\*The death of Charles A. Flagg, who had been Librarian of the Bangor Public Library since May, 1913, occurred March 28, 1920, after a brief illness.

## REPORT OF THE TRUSTEES OF THE INCOME OF THE HERSEY FUND

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Bangor, February 5, 1920.

*To the City Council of the City of Bangor:*

The Trustees of the Income of the Hersey Fund submit their annual report. They have received from the City Treasurer the sum of four thousand dollars (\$4000) in quarterly payments, which have been paid to the Treasurer of the Board of Managers of the Bangor Public Library.

They also submit, herewith, the annual reports of the Treasurer of the Board of Trustees of the Bangor Public Library, and the Treasurer of the Board of Managers of said Library, and of the Librarian.

John F. Woodman  
Thomas G. Donovan  
Frederic W. Adams  
William F. Curran

Trustees of the Income of the Hersey Fund.

## THE LIBRARY BOARDS

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Under terms of the will of Hon. Samuel F. Hersey, who died in 1875, the City of Bangor was left a certain part of his estate, to become available in 1900 as a fund whose income should be used "for the promotion of education, the health and good morals of the citizens." The sum of \$100,000 was accepted by the City in 1882 in full of all claims against the Hersey estate, and the city government voted to use the entire sum for the establishment of a Public Library. The management of the legacy was entrusted to a board of five members, known as the "Trustees of the Income of the Hersey Fund," and consisting of the Mayor, the City Treasurer and three others, one elected each alternate year by the City Council for a term of six years. (Ordinance, as now in force, printed at end of 1916 Report).

These Trustees agreed with the "Bangor Mechanic Association" (which had for many years maintained a library and reading room for its members) to combine interests and establish the "Bangor Public Library," with the 20,000 volumes of the Mechanic Association as a nucleus, and the \$12,000 of its invested funds and the \$100,000 Hersey Fund as endowments. The "Trustees of the Income of the Hersey Fund" and four representatives chosen annually by the "Bangor Mechanic Association" constitute the "Board of Managers of the Bangor Public Library." (The text of this agreement printed at the end of 1916 Report).

When in 1893 the question of erecting a library building began to be agitated, the "Board of Managers" was incorporated under State law as the "Board of Trustees of the Bangor Public Library" with power to acquire and hold real estate; the personnel of the two bodies being the same but their functions quite distinct.

The Bangor Mechanic Association maintains its organization, holds an annual meeting the second Tuesday in January and the President, Vice-President, Secretary and Treasurer elected at that time serve as members of the Board of Managers of the Bangor Public Library. The Association also administers the Mechanic Association Fund, its Treasurer turning the income over to the Library Board of Managers.

The Trustees also administer the J. F. Patten fund of \$4,000, bequeathed by Mrs. Grace D. Patten in 1900, in memory of her husband, and the Luther H. Peirce Fund of \$75,000, bequeathed in 1915; also the "Art Fund" which is the insurance on art objects destroyed in 1911, set aside in 1914 with that designation.

## Reports of the Treasurer

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FREDERIC W. ADAMS, Treasurer,

In account with the Trustees Bangor Public Library

*Dr.*

1919

Jan. 15	Balance.....	\$1,103.97
16	Div. American Tel. & Tel. Co.....	1,666.00
Mar. 24	Estate of G. S. Lynde.....	230.35
Apr. 16	Div. American Tel. & Tel. Co.....	1,666.00
May 1	Estate of G. S. Lynde.....	1.95
	Frances A. Stetson Estate.....	1,000.00
July 9	$\frac{1}{2}$ Hay Currier Lot.....	10.00
15	Dividend American Tel. & Tel. Co.....	1,666.00
Oct. 15	Dividend American Tel. & Tel. Co.....	1,666.00
27	Jacksonville Electric coupons.....	50.00
	Racine Water coupons.....	25.00
	Iowa Loan & Trust coupons.....	22.50
	Iowa Loan & Trust matured bond.....	1,000.00
Dec. 9	Racine Water coupons.....	25.00
	Jacksonville Electric coupons.....	50.00
30	Interest Mts. Nat. Bank.....	31.16
Jan. 9	Coupon U. S. Bond.....	21.26
15	Div. American Tel. & Tel. Co.....	1,666.00
		<hr/>
		\$11,901.19

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Jan. 29	To Book Fund per vote.....	\$1,000.00
Mar. 17	C. A. Flagg, salary, Secretary, 3 mo....	50.00
	F. W. Adams, salary, Treasurer, 3 mo..	50.00
Apr. 16	To Book Fund per vote.....	1,000.00
May 14	W. W. Palmer, Insurance.....	110.00
16	J. W. McClure, Insurance.....	110.00
	H. Lord & Co., Insurance.....	110.00
17	C. C. Mullen, Insurance.....	110.00
	Baker & Hodge Co., Insurance.....	110.00
	W. F. Curran & Co., Insurance.....	220.00
	Blake, Barrows & Brown, Insurance...	110.00
	H. T. Gallagher.....	110.00
	G. B. Freeland.....	110.00
19	Fourth Liberty Bond.....	949.34
20	L. Kirstein & Sons, Insurance.....	55.00
	J. F. Singleton, Insurance.....	110.00
	J. H. Boyd, Insurance.....	55.00
27	L. C. Tyler & Sons Co., Insurance.....	55.00
	Pearl & Dennett Co., Insurance.....	110.00
29	L. W. Somers Co., Insurance.....	55.00
June 11	C. A. Flagg, Secretary.....	50.00
	F. W. Adams, Treasurer.....	50.00
July 11	Mead & Co. Iron Works.....	171.00
16	To Book Fund per vote.....	1,000.00
31	C. M. Stewart, Insurance.....	110.00
Aug. 6	Blake, Barrows & Brown, Tr. Bond.....	12.50
7	R. D. Kimball Co.....	54.66
Sept. 21	C. A. Flagg, Secretary.....	50.00
	F. W. Adams, Treasurer.....	50.00
Oct. 27	Transferred to Book Fund.....	1,500.00
Nov. 8	Fourth Liberty Bond.....	936.70
Dec. 18	C. A. Flagg, Secretary.....	50.00
	F. W. Adams, Treasurer.....	50.00
	D. G. Tibbetts.....	74.88
30	L. W. Somers Co., Insurance.....	16.00

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## CITY OF BANGOR

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Jan.	3	C. P. Crowell.....	15.00	
	7	F. E. Eldridge Co.....	2,172.13	
	15	Balance.....	948.98	
				<hr/> \$11,901.19

Respectfully submitted,

FREDERIC W. ADAMS,

Treasurer

Bangor, Maine, January 15, 1920.

Schedule of Securities Held by the Treasurer of  
Bangor Public Library

Jacksonville Electric Co. 5% bonds, 1927.....	\$2,000.00
Racine Water Co., 5% bond, 1931.....	1,000.00
5 Shares U. S. Worsted Co., Second Preferred Stock.....	500.00
750 Shares American Tel. & Tel. Co., stock received in exchange for Chicago Tel. Co. stock from Luther H. Peirce estate..	75,000.00
83 Shares American Tel. & Tel. Co., stock received for 83 shares of Chicago Tel. & Tel. Co. stock (by purchase).....	8,300.00
U. S. Fourth Liberty Bonds, 4½%.....	2,000.00
	<hr/> \$88,800.00

I hereby certify that I have examined the foregoing account of Frederic W. Adams, Treasurer of Bangor Public Library, and find same correctly cast and properly vouchered, with \$948.98 on deposit and securities \$88,800 in his custody as stated.

Bernhard Pol,

Auditor.

Bangor, Maine, January 15, 1920.



**FREDERIC W. ADAMS, Treasurer of Patten Fund,****In account with the Trustees of Bangor Public Library***Dr.*

1919		
Jan. 15	Balance .....	\$55.02
Oct. 27	Milwaukee Gas Light Co., coupon.....	20.00
	Iowa Loan & Trust Co., coupon .....	50.00
	B. & A. R. R. coupon .....	25.00
Dec. 9	Milwaukee Gas Light Co., coupon.....	20.00
1920		
Jan. 9	Iowa Loan & Trust Co., coupon.....	50.00
	B. & A. R. R. coupon .....	25.00
		<hr/>
		\$245.02

*Cr.*

1919		
Feb. 10	Good Furniture Magazine.....	\$4.00
Apr. 8	Goodspeed's Book Shop.....	12.12
	The Dean Hicks Co.....	4.00
May 8	Dillingham's Book Store.....	25.00
Dec. 12	U. P. C. Book Co., Inc.....	12.75
	Balance .....	187.15
		<hr/>
		\$245.02

Respectfully submitted,

**FREDERIC W. ADAMS,**

Treasurer.

The following shows the investment of Patten Fund for the Bangor Public Library in the custody of Frederic W. Adams, Treasurer:

Bangor & Aroostook R. R. Co., Piscataquis Division	
5% bond No. 76 due Jan. 1, 1943 . . . . .	\$1,000.00
Iowa Loan & Trust Co., 5% bonds, 1922 . . . . .	2,000.00
Milwaukee Gas Co., 4% bond, 1927 . . . . .	1,000.00
	<hr/>
	\$4,000.00

---

I have examined the accounts of Frederic W. Adams, Treasurer of the Patten Fund, of the Bangor Public Library and find same correctly cast and properly vouched and the balance \$187.15 on deposit with the Merchants National Bank of Bangor, and the securities \$4,000 in his custody as stated.

Bernhard Pol,  
Auditor.

Bangor, Maine, January 15, 1920.

**FREDERIC W. ADAMS, Treasurer of the Art Fund,**

**In account with the Trustees of Bangor Public Library**

1919

Jan. 15	Balance deposited in Bangor Savings Bank.....	\$709.29
Oct. 1	Dividends Apr. and Oct. Bangor Savings Bank.....	25.03
		<hr/>
		\$734.32

Respectfully submitted,

FREDERIC W. ADAMS,

Treasurer

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I have examined the accounts of Frederic W. Adams, Treasurer of the Art Fund of Bangor Public Library and find same as stated and the balance \$734.32 on deposit with the Bangor Savings Bank.

Bernhard Pol,  
Auditor.

1920]

## CITY OF BANGOR

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FREDERIC W. ADAMS, Treasurer,

In account with Managers of Bangor Public Library

## GENERAL ACCOUNT

*Dr.*

1919

Jan. 15 To cash on deposit. . . . . \$2,346.81

1920

Jan. 15	Receipts for year ending this date:	
	City of Bangor on account appropriations	14,236.00
	City of Bangor on account interest, Hersey Fund. . . . .	4,000.00
	Income from Bangor Mechanic Asso. . . .	720.00
	Fines collected by Librarian, cards and sundries. . . . .	806.86
	Interest on deposit. . . . .	26.78
		<hr/> \$22,136.45

*Cr.*

1920

Jan. 15	By disbursements for the year ending this date:	
	Salaries, Librarian, Assistants, Substitutes, Janitor, and extra help. . . . .	\$12,083.29
	Heating, 1919. . . . .	2,695.26
	Sundries. . . . .	143.17
	Supplies. . . . .	2,310.05
		<hr/> \$17,231.77

1920

Jan. 15	Balance. . . . .	4,904.68
		<hr/> \$22,136.45

Respectfully submitted,

FREDERIC W. ADAMS,

Treasurer

I have examined the accounts of Frederic W. Adams, Treasurer of the Board of Managers of Bangor Public Library (General account) and find same correctly cast and properly vouched and the balance \$4904.68 on deposit with the Merchants National Bank of Bangor.

Bernhard Pol,  
Auditor.

Bangor, Maine, Jan. 15, 1920.

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**FREDERIC W. ADAMS, Treasurer**

**In account with Managers of Bangor Public Library**

**BOOK FUND**

*Dr.*

1919		
Jan. 15	Balance.....	\$613.79
1920		
Jan. 15	Receipts for year ending this date:	
	Appropriations by State of Maine.....	500.00
	Appropriations by Trustees for Book	
	Fund.....	4,500.00
	Interest on Deposit.....	8.42
	Returned check, Maine Lib. Asso.....	1.00
		<hr/>
		\$5,623.21

1920]

## CITY OF BANGOR

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*Cr.*

## Expenditures for Books:

Books, pamphlets, etc.....	\$2,962.47	
Periodicals subscriptions.....	758.31	
Binding and repairs.....	1,199.79	
Transportation, express, freight, postage, etc .....	140.87	
	<hr/>	\$5,061.44

1920

Jan. 15 Balance.....	561.77
	<hr/>
	\$5,623.21

Respectfully submitted,

FREDERIC W. ADAMS,

Treasurer

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I have examined the account of Frederic W. Adams, Treasurer of the Book Fund of Bangor Public Library, and find same correctly cast and properly vouched and the balance \$561.77 on deposit with the Merchants National Bank of Bangor.

Bernhard Pol,

Auditor.

Bangor, Maine, Jan. 15, 1920.

## Report of the Librarian

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*To the Board of Managers of the Bangor Public Library:*

I have the honor to submit the 37th annual report of the Bangor Public Library, for the year 1919.

The year has been a notable one in several particulars: at last we have a library actually larger than the one destroyed by fire in 1911; our home circulation has passed the 100,000 mark; the card catalogue is now so far up to date that it includes all new books and all important books already catalogued in nearly every class; every department shows a normal expansion, while some lines, like traveling libraries, increased many fold; and all this was accomplished in face of an actual loss of fifty percent of the staff during the year.

### SIZE AND GROWTH

The number of volumes on Jan. 1, 1919, was 67,293. During the year there has been a net gain of 4,647.

This comparatively small addition is due to several causes: the diminishing purchasing power of our funds, the lack of any notably large gifts, and a concentration on cataloguing older books already accessioned, instead of adding from the older Congressional documents already here but never incorporated.

Total additions 4,993, included 1,692 volumes purchased, 2,980 received by gift, 296 by binding periodicals and 25 others.

346 volumes have been removed from the records: including 99 worn out, 45 duplicates, 16 charged and not returned and 186 others.

See Appendix A-B.

### OPENING, REGISTRATION AND CIRCULATION

The Library has been open for reading and circulation of books every day throughout the year from 9 a. m. to 9 p. m., except Sundays and the following bank holidays:

New Year's day . . . . .	Jan. 1
Washington's birthday . . . . .	Feb. 22
Patriot's day . . . . .	April 19
Memorial Day . . . . .	May 30
Independence day . . . . .	July 4
Labor day . . . . .	Sept. 2
Thanksgiving . . . . .	Nov. 27
Christmas . . . . .	Dec. 25

The cardholders numbered 4,239 in the Main library and 1,348 in the Juvenile department; total, 5,587. This is an increase of 225 over 1918; 204 in the Main library, and 21 in the Juvenile department.

The total circulation for the year 1919 was 100,713, an increase of 9,631 above 1918.

See Appendix D, E, F, G, H.

### TRAVELING LIBRARIES

The Traveling library "has brightened the lives of the children by making them acquainted with all the quaint and curious characters in the literature of childhood; and has made them



love more fondly, a city which so generously affords them such pleasures, for to no one is a story more precious than to a child. It has been of great benefit to the rural community by bringing the people and the books together, and by bringing to the taxpayers of Bangor, even in the remotest districts, the privilege of enjoying the Bangor Public Library." This paragraph from a letter written the library by an enthusiastic rural teacher, expresses the necessity and the aim of the traveling library.

We feel that in sending out the twenty-one traveling libraries of this year, with a total circulation of 1,145 books, that we, too, are enjoying a privilege. Besides the rural schools, Central, Griffin Road, North Bangor, Sherburne, Pushaw Road, and Stillwater Avenue, to which traveling libraries were sent, this year's list includes the Salvation Army, Y. W. C. A., and Queen City Grange, No. 10. At the Stillwater Avenue School and Queen City Grange, the books were kept during the summer vacation, making continuous library service throughout the year. Lately, a request has come for a selection of books in Russian text to be circulated from a store, frequented by Bangor's Russian-speaking people. It has been suggested also that some books for persons learning the English language be included in this library, in the hope that the value of such books may be recognized by these people, many of whom are intelligent and ambitious and deserving every opportunity the library is able to place in their way.

It is with regret that we have been obliged to refuse another traveling library on the ground that we would be robbing our own readers by drawing more heavily from the books already in the library. With the traveling libraries so well established, it is no longer necessary to seek opportunities to place them, but it would be a pleasure and a privilege to be able to grant the requests which come to us unsought.

## DELINQUENT BORROWERS

The year's record shows a considerable increase in 1st and 2d notices sent out for overdue books, and also in amount collected in fines.

As a result of an attempt to follow up losses promptly, the number and percentage of books actually lost and not paid for, is much reduced.

See Appendix I.

## READING AND REFERENCE DEPARTMENTS

In the main Reading Room the noticeable changes are the utilization, for general purposes, of the new bulletin boards obtained for war governmental notices; also the acquisition of a special table with pens, ink, etc., for those desiring to write.

Large as is our seating capacity, it is taxed to the utmost at times, especially afternoons when the High School scholars come to us for assistance.

Though every department of the library aims to serve the public, to serve the public directly is the particular field of the Reference Department. To the musician seeking a position it furnishes the address of a musical agency. A fraternity man confronted by the necessity of making a presentation speech finds the help he needs. Here, too, comes a member of a theatrical company to learn the county seat of the county in which she was born, in order that she may furnish a certificate proving she is not German, before entering Canada. "What is necessary to securing a patent?" is an inquiry that receives a satisfactory answer. And one man has even asked the library to find him a job.

Statistics of reference work are difficult to keep, many calls coming by letter and telephone. Statistics, however, are not needed to show the growth of the work. The past year shows the greatest increase in the number of inter-library loans, making possible work with out-of-town libraries and schools. Letters from seniors writing their essays, were common last spring, while a list of "Suggestive Titles for Graduation Essays" was one of the most popular lists of the year with both local and out-of-town pupils. A similar list is waiting for the 1920 graduate.

As in other years, lists have been prepared for the study clubs and one, "Versailles," was printed and distributed to library users in general. Another printed list, "Maine—Illustrative Material," is of local historical interest. The Bangor Chamber of Commerce multigraphed and distributed two lists prepared by the library for the use of the business man—one, "The Business Man And The Library," books on general business subjects—the other, "Office Helps," and "Personality In Business." A list on "Accounting" made in 1914, proved so useful that it was brought up to date this year. Lists have also been made of all the books in the library in Italian and Spanish text. Magazine articles of particular interest and shelf lists of books have, from time to time, been listed in the weekly newspaper letter. Not to mention here, the lists on vocational books, prepared by the A. L. A. after the war, would be most unfair, since they are frequently used when advice on technical books is asked.

The summer vacation time is generally supposed to be, and is, the quiet time in the library, but even then, an attempt was made to attract readers and visitors by displaying guide books and maps for vacationists, catalogues of summer camps and of summer schools. A glass case containing beautifully illustrated books was a new venture at this time.

The librarian at the University of Maine, has sent us a list of the books reserved in the University library and as far as possible, those titles have been reserved here for use of the students living in Bangor. Then the school department, appreciating the effort made by the library to supply text-books like those furnished by the schools, gave copies of school text-books, with the intention of making a permanent exhibit in the library reading room of all the more important books used in the schools.

There has been too, considerable work this year with maps and pictures, which are allowed to circulate like books. But after all, it is with the book that we are most concerned, and when the shelves in the Reference room refused to hold more new books, two new book cases were added. These are now nearly filled, but we feel sure that a way will be provided to meet the needs of the future.

### JUVENILE DEPARTMENT

The work of this year has continued along the usual lines, with a fair increase as shown by the statistics.

The resignation of Miss Chapman in October, has left us with no one in special charge of the work the past fall and this has meant the temporary discontinuance of the "Story Hour" and other special features.

Miss Lora E. Blanding, who has been selected as children's librarian, brings to the work a liberal education, great enthusiasm and a special knowledge of the literature of childhood; so the prospects are bright for a prosperous year in the most important department.

## GIFTS

The gifts of the year that have been accessioned number 2,890. Many other gifts have been found to be duplicates.

Notable benefactors are:

Charles D. Jameson.  
Estate of Charles E. Bliss.  
Mrs. Helen M. Jewell.  
Estate of Mrs. Mary H. Curran.  
Horace W. Durgin.  
Mrs. Carrie D. Wardley.  
Industrial Journal.  
Bangor School Department.  
Bangor Chamber of Commerce.  
Caldwell Sweet.

All gifts have been acknowledged as received, accessioned, and since Jan. 1, 1919, fully catalogued and sent to the shelves. The only parcel of gifts not incorporated in the library, are the contents of about 80 sacks of U. S. Congressional documents. These we are adding gradually, as there is opportunity.

List of donors in Appendix M.

## SERIALS

In 1919 the Library received 337 current serials during the whole, or a considerable part, of the year. We were subscribers to 161 of these and 176 were presented.

Religious societies and individual friends here and away, are exceedingly liberal in giving subscriptions.

In cases and on tables in the Reading and Reference Rooms, there are available to the public, without request, 183 of these,

not to mention 66 current U. S. government serials displayed for longer or shorter periods on tables.

Work has been continued on the older unbound serials in the lower stack until we have reached the letter *S* in alphabetic order. A few volumes of special value have been bound at once, missing numbers being purchased if needed; while over 200 complete volumes of valuable reference sets have been merely laid aside for the future, when the cost of binding is reduced, or special funds become available for this purpose.

### THE STAFF

The past year has been the most disastrous on record in the matter of losses. Out of the ten regular assistants on the rolls, five, or just one-half, have left us. Mrs. Nellie Bullock Banton, head of our Circulation Department and Mrs. Pauline Murphy Rand, assistant cataloguer, resigned in May and August respectively, on their husbands' return from service abroad; Miss Mary E. Casey, experienced and valuable cataloguer and assistant in the Juvenile Department, died in June; Miss Elizabeth H. Chapman, head of the Juvenile Department, left in October to be married; and Miss Gertrude Perry, who had succeeded Mrs. Banton as chief of the Circulation Department, resigned at the close of the year to accept a position in the Library of the Massachusetts Institute of Technology.

The present staff consists of Miss Mayberry, head cataloguer; Miss Wayland, in charge of Reference Department; Miss Rand, classifier; Miss Rich, in charge of serials and binding; Misses Burnham and Smythe, cataloguers and assistants in the Circulation and Reference Departments; Miss Mackay, librarian's secretary and order clerk; Miss Edna G. Dunham, in charge of

Circulation; Miss Lora E. Blanding, head of Juvenile Department and Miss Margaret Travers, assistant at Circulation desk.

It would be difficult to overstate what the library and its patrons owe to the earnestness and devotion of our assistants, especially under the trying conditions of the past year. Prospects were never brighter than for the year to come.

Our substitutes are: Marjorie J. Clement, Marion Cluff, Helen R. Donovan, Marjorie R. Driscoll, Mildred M. French, Carlotta Hersey, Elizabeth E. Pendleton, Natalie Rice, Margaret E. Sullivan. Of these, Misses Clement and Donovan have been giving continuous service.

### CLASSIFICATION AND CATALOGUING

In no department of the library has progress been more notable than here. Early in the year the filing in of the large supplementary alphabet was completed, and new cards are now regularly filed weekly.

Since the fire of 1911, it had never been possible with our cataloguing force to care for all accessions as they came in. This led to a division of books into two lots: "new books" to be pushed through promptly, and "old books," necessarily laid aside for the future. Let it be remembered that the "old books" were often not more than 5 or 6 years old, and not infrequently classics or otherwise of real value; only they were not likely to circulate frequently, nor were they in immediate demand.

January 1, 1919, we found ourselves in a position to discontinue the above division, and since that date, every book added, every pamphlet deemed worth of entry, has been sent along to be catalogued promptly. This would ordinarily place the cards in the catalogue in four to six weeks, for right of way is still given

to the popular book of the day, which is handled at once, and cards for which are placed in the catalogues at the next weekly filing.

In the matter of typewriting, also, the year has witnessed notable progress. During the two or three years last past, special attention has been given to cataloguing, and as we found it impossible to secure the needed typists, the card entries were simply filed away by class number. The past year this accumulation of cards has been taken in hand, the entries typewritten and filed in the card catalogue, until now, only in Sociology and Natural Science, do any considerable block of cards remain to be typewritten and filed: We are now engaged in Useful arts, which will be finished early in the year, and there are also certain remnants of old books in Religion and Literature laid aside when those subjects were treated.

The Catalogue Department reports 5,657 catalogue entries revised, and 6,220 entries typewritten during 1919.

Typewritten lists of new books have been posted from time to time during the year.

Progress on the reclassification of History and the absorption of the "Old card catalogue" into our Main Dictionary catalogue, has been slow, owing to press of other matters. We hope 1920 may see the printing of our "Finding List of Fiction," this being held in readiness as manuscript.

## PUBLICITY

Our printed publications of 1919 were the 36th annual report; also of two small pamphlet lists of books, etc., in this library: "Maine illustrative material No. 1: Eastern Maine" and "Versailles." Two special bulletins on Business books in



the library have been prepared for the Library Committee of the Chamber of Commerce.

### THE LIBRARY AS AN EDUCATIONAL CENTER

The following organizations used the Lecture room in 1919, some of them meeting there regularly: Women's Health Committee; Bangor Federation of Women's Clubs; Bangor Historical Society; Bird Conservation Club; Daughters of the American Revolution; Alliance Francaise; Red Cross; Athene Club; Quipus Club; Nineteenth Century Club; Shakespeare Club; New Thought Society.

The Bangor Society of Art has again provided an interesting series of art exhibits. The Bird Conversation Club has installed an attractive oak and glass case in one corner of the Juvenile Department, with a good display of mounted birds.

Cooperation with the schools has been continued as in previous years. Each year the course given High School scholars is broadened and enlarged. Some classes in our public and private schools are accepting the Librarian's invitation for a special visit to the Library with examination of the Library's and Historical Society's material illustrating their school work.

### THE BUILDING

During the fall the walls of all the rooms and corridors in the public part of the building have been repainted, thereby removing the stains caused by the leaks of earlier years. Certain changes in the ventilation have also been made. The building is now in first class condition. Hart L. Woodcock, the artist, stated recently that, in his opinion, our assembly room has no equal in New England for the display of pictures.

The expanse of our work has made necessary certain new equipment, notably, a metal file case of four sections, in the Librarian's office and an extension of the current periodical case behind the loan desk.

An enlargement of our shelving in the stack building cannot be long deferred. And the insufficient heat in that building in the cold season is still a menace to the health of the staff.

#### LIBRARY MEETINGS

The Librarian was one of three Maine Librarians at the annual meeting of the American Library Association at Asbury Park, N. J., in June. At the annual meeting of the Maine Library Association at Brunswick, the Library was represented by the Librarian and Miss Chapman.

Respectfully submitted,

Charles A. Flagg,

Librarian.

Bangor, June 20, 1920.

## APPENDIXES

### APPENDIX A

#### Growth of the Library in 1919, by class

	In Library Jan. 1 1919	Net addition 1919	In Library Jan. 1 1920
General works .....	6,024	448	6,472
Philosophy.....	844	53	897
Religion.....	2,762	158	2,920
Sociology.....	13,426	1,167	14,593
Philology.....	562	92	654
Natural Science.....	3,316	160	3,476
Useful arts.....	6,137	497	6,634
Fine arts.....	5,859	220	6,079
Literature.....	3,420	217	3,637
Poetry and drama.....	2,775	133	2,908
Fiction.....	7,074	522	7,596
History.....	8,676	692	9,368
Description.....	2,598	100	2,698
Biography.....	3,820	188	4,008
Total.....	67,293	4,647	71,940

### APPENDIX B

#### Growth of the Library in 1919, by source

Number of volumes in Library, January 1, 1919.....	67,293
--	--------

1920]

## CITY OF BANGOR

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## Additions:

By purchase.....	1,692	
Gift.....	2,980	
Binding periodicals purchased.....	163	
Binding periodicals presented.....	133	
Exchanged.....	23	
Lost and returned.....	2	
Total gain.....		4,993

## Withdrawals:

Worn out.....	99	
Duplicates removed.....	45	
Charged out and not returned.....	16	
Lost and paid for.....	20	
Recorded by mistake.....	39	
Loss discovered recataloguing fiction ...	93	
Destroyed in fire.....	7	
Destroyed: contagious disease.....	12	
Exchanged.....	13	
Lost and replaced.....	1	
Recalled by Maine State Library.....	1	
Total loss.....		346
Net gain during 1919.....		4,467

Number of books in Library, January 1, 1920

71,940

## APPENDIX C

## Binding and Repair, 1919

Volumes of serials sent to bindery.....	203
Books sent for binding and rebinding.....	643
Total.....	846

Repaired by binders.....	23
Repaired at library.....	113
Total.....	136

## APPENDIX D

## Registration

	Main Library	Juvenile Dept.	Total
Registered card holders.....	4,239	1,348	5,587
Ordinary cards re-issued.....	470	155	625
Card holders having study cards.....	1,945	169	2,114
Study cards re-issued.....	24	3	27
Extra study cards issued.....	845	1	846
Total cards issued.....	7,523	1,676	9,199

## APPENDIX E

## Classes of Borrowers

	Main Library	Juvenile Dept.	Total
A Residents of Bangor.....	4,145	1,297	5,442
Am Mother's cards.....	0	50	50
B Bangor schools, study clubs, etc.....	47	0	47
C Out of town borrowers who pay at the rate of \$3.00 per year.....	7	0	7
D Special borrowers who leave a deposit ...	24	1	25
E Libraries outside of Bangor.....	16	0	16
	4,239	1,348	5,587

## APPENDIX F

## Circulation by class, 1919

	Main Library	Juvenile Dept.	Total
General works including unbound periodicals.....	8,296	680	8,976
Philosophy.....	902	4	906
Religion.....	367	66	433
Sociology.....	1,320	2,369	3,689
Philology.....	136	116	252
Natural Science.....	512	263	775
Useful arts.....	1,630	494	2,124
Fine arts.....	1,147	235	1,382
Literature.....	2,680	792	3,472
Poetry.....	660	222	882
Fiction.....	55,128	15,777	70,905
History.....	3,060	606	3,666
Description.....	920	347	1,267
Biography.....	1,608	376	1,984
Total.....	78,366	22,347	100,713

## APPENDIX G

## Circulation by month, 1919

	Main Library	Juvenile Dept.	Total
January.....	7,427	1,964	9,391
February.....	7,315	2,159	9,474
March.....	8,285	2,707	10,992
April.....	7,132	2,342	9,474
May.....	6,626	1,824	8,450
June.....	5,315	1,632	6,947
July.....	5,473	1,674	7,147

August.....	5,534	1,518	7,052
September.....	5,800	1,156	6,956
October.....	6,417	1,666	8,083
November.....	6,547	2,014	8,561
December.....	6,495	1,691	8,186
Total.....	78,366	22,347	100,713

## APPENDIX H

## Growth and circulation for 9 years

Year	Books in Library Jan. 1	Circulation
1911.....	69,845	22,755 (May-Dec.)
1912.....	7,127	54,259
1913.....	13,203	57,918
1914.....	22,282	75,682
1915.....	31,814	82,956
1916.....	43,323	84,382
1917.....	50,498	81,030
1918.....	57,569	91,082
1919.....	67,293	100,713
1920.....	71,940	

## APPENDIX I

## Overdue Books

Postal card notices sent in 1919.....	5,762
Second notices.....	332
Books lost and paid for.....	20
Books lost and not paid for.....	16
Fines collected.....	\$526.01

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## CITY OF BANGOR

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## APPENDIX J

## Books from Stack used in Reading Room

## By class

General works, including unbound periodicals . . . . .	529
Philosophy . . . . .	32
Religion . . . . .	57
Sociology . . . . .	255
Philology . . . . .	17
Natural Science . . . . .	76
Useful arts . . . . .	236
Fine arts . . . . .	171
Literature . . . . .	289
Poetry . . . . .	65
Fiction . . . . .	63
History . . . . .	646
Description . . . . .	145
Biography . . . . .	277
Total . . . . .	2,858

## APPENDIX K

## By month

January . . . . .	266
February . . . . .	347
March . . . . .	418
April . . . . .	223
May . . . . .	255
June . . . . .	115
July . . . . .	86
August . . . . .	71
September . . . . .	111
October . . . . .	227
November . . . . .	414
December . . . . .	325
Total . . . . .	2,858



## APPENDIX L

## Readers in Juvenile Department

January.....	1,223
February.....	1,068
March.....	1,422
April.....	1,155
May.....	823
June.....	850
July.....	825
August.....	773
September.....	701
October.....	873
November.....	820
December.....	913
Total.....	11,446

## APPENDIX M

## Gifts to the Library during 1919

Giver	Books & Pamphlets	Serials .	Other Things
Academie royale des sciences, des lettres et des beaux-arts de Belgique.....	3		
Adams, Donald, <i>Bangor</i> .....	1		
Adams, Frederic W., <i>Bangor</i> .....	1		
Adriance Memorial Library, <i>Poughkeepsie, N. Y.</i>		4	
Advent Christian Publication Society, <i>Boston,</i> <i>Mass.</i> .....		51	
Alaskan Engineering Commission, <i>Anchorage,</i> <i>Alaska</i> .....		50	
Alden, John B., <i>Neshanic, N. J.</i> .....			

Giver	Books & Pamphlets	Serials	Other Things
Alliance Francaise, <i>Paris, France</i> . . . . .		12	
Alzamara, Dr. I., <i>Washington, D. C.</i> . . . . .			
American Association for International Concilia- tion, <i>New York City</i> . . . . .	2	13	
American Association for Labor Legislation, <i>New York City</i> . . . . .	1		
American Civic Association, <i>Washington, D. C.</i> . . . .		2	
American-Hellenic Society, <i>New York City</i> . . . . .	2	2	
American Judicature Society, <i>Chicago, Ill.</i> . . . . .		6	
American Legion, <i>New York City</i> . . . . .		12	
American Library Association. Library War Service, <i>Washington, D. C.</i> . . . . .	6	12	2400
American Railway Asso., <i>New York City</i> . . . . .		55	
American Red Cross, <i>New York City</i> . . . . .	3		
American Red Cross Commission for Belgium, <i>Brussels, Belgium</i> . . . . .	1		
American Red Cross, New England Division, <i>Boston, Mass.</i> . . . . .		43	
American Social Hygiene Association, <i>New York City</i> . . . . .	1	13	
American Steel & Wire Co., <i>Chicago, Ill.</i> . . . . .		24	
American Telephone and Telegraph Company, <i>New York City</i> . . . . .	1		
American Union Against Militarism, <i>Washington, D. C.</i> . . . . .	6		
American Walnut Manufacturers' Association, <i>New York City</i> . . . . .	1		
Amherst College, <i>Amherst, Mass.</i> . . . . .	1		
Anti-Saloon League of America, <i>Westerville, Ohio</i> . . . . .		74	
Armenian Herald, <i>Boston, Mass.</i> . . . . .	1		
Armour and Company, <i>Chicago, Ill.</i> . . . . .	3		
Association of Life Insurance Counsel, <i>New York City</i> . . . . .	11		

Giver	Books & Pamphlets	Serials	Other Things
Association of Life Insurance Presidents, <i>New York City</i> .....	3		
Association of Railway Executives, <i>New York City</i> .....	4		
Atlantic Deeper Waterways Association, <i>Philadelphia, Pa.</i> .....		5	
Bahai Library Committee, <i>Washington, D. C.</i> ....	3		
Balch, Karl O., <i>Lunenburg, Vt.</i> .....	1		
Balch, Thomas Willing, <i>Philadelphia, Pa.</i> .....	1		
Baltimore, Md. Enoch Pratt Free Library.....	1		
Bangor Chamber of Commerce.....	94	12	36
Bangor Children's Home.....	2		
Bangor, Christian Science Association.....		338	
Bangor, City Auditor.....		24	
Bangor, City Clerk.....	4		
Bangor Co-Operative Printing Co., <i>Bangor</i> .....	2		
Bangor High School.....	3	18	
Bangor, Knights of Columbus.....		16	
Bangor, New Thought Society.....		7	
Bangor, Salvation Army.....	1	50	
Bangor School Department.....	214		
Bangor Society of Art.....	2		
Bangor, Unity Spiritualist Society.....		114	
Bangor War Savings Committee.....			4
Bangor, Woman Suffrage Association.....		11	
Bankers Trust Company, <i>New York City</i> .....	1		
Batchelor, Charles B., <i>Lake George, N. Y.</i> .....	1		
Bettens, Edward D., <i>New York City</i> .....	3		
Bigelow, Stanley, <i>Bangor</i> .....	5		
Blanding Edward M., <i>Bangor</i> .....		17	
Bliss, Charles E., <i>Bangor</i> , estate of.....	140		
Bohemian National Alliance, <i>Chicago, Ill.</i> .....	1		
Boody, J. S. F., <i>Bangor</i> .....	2		

Giver	Books & Pamphlets	Serials	Other Things
Boston Athenaeum, <i>Boston, Mass.</i> .....	1		
Boston College, <i>Boston, Mass.</i> .....	1		
Boston Museum of Fine Arts.....	1	8	
Boston Port and Seamen's Aid Society.....	1		
Boston Public Library.....	2	4	
Boston, Vedanta Centre.....		10	
Bowdoin College, <i>Brunswick, Me.</i> .....	3		
Braddock, Pa. Carnegie Free Library.....	1		
Brentano's, <i>New York City</i> .....	1		
Bright, Joseph M., <i>Bangor</i> .....	1		
Brockton, Mass., Public Library.....		4	
Brooklyn Institute of Arts & Sciences, <i>Brooklyn, N. Y.</i> .....		6	
Brooklyn Public Library, <i>Brooklyn, N. Y.</i> .....	1	4	
Brown, Miss Nellie E., <i>Bangor</i> .....	1	23	
Brown, Mrs. W. I., <i>Bangor</i> .....	1		
Brown & Guesmer, <i>Minneapolis, Minn.</i> .....	1		
Brown Brothers & Co., <i>New York City</i> .....	1		
Brown University, <i>Providence, R. I.</i> .....		11	
Bryant, Frank L., <i>Brooklyn, N. Y.</i> .....			
Bureau of Railway Economics, <i>Washington, D. C.</i> .....	1		
Burlington Free Public Library, <i>Burlington, Iowa</i> .....	1		
Bush, Mrs. W. T., <i>New York City</i> .....	2		
Butler, Dan B., <i>Omaha, Nebraska</i> .....	1		
Butler, Miss Ellen Hamlin, <i>Bangor</i> .....	1		
Cadillac Motor Car Company, <i>Detroit, Mich.</i> .....	1		
California Commission of Immigration and Housing, <i>San Francisco, Cal.</i> .....	3	3	3
Canada Natural Resources Intelligence Bureau, <i>Ottawa, Canada</i> .....	1		

Giver	Books & Pamphlets	Serials	Other Things
Carnegie Endowment for International Peace, <i>Washington, D. C.</i> . . . . .	15	1	
Carnegie Dotation, <i>Paris, France</i> . . . . .			
Carnegie Hero Fund Commission, <i>Pittsburg, Pa.</i> . . . .	1		
Carnegie Institute, <i>Pittsburg, Pa.</i> . . . . .	2		
Catholic University of America, <i>Washington, D. C.</i> . . . . .	1		
Chalmers, Mary E., <i>Bangor</i> . . . . .	5		
Chase, Miss Carrie D., <i>Bangor</i> . . . . .	1		
Chicago Municipal Tuberculosis Sanitarium, <i>Chicago, Ill.</i> . . . . .		1	
Chicago Tribune, <i>Chicago, Ill.</i> . . . . .	1		
Chicago Union League Club . . . . .	8		
China Society of America, <i>New York City</i> . . . . .	2		
Christian Civic League of Maine, <i>Waterville, Me.</i> . . . .		8	
Clark, Miss Elizabeth, <i>Bangor</i> . . . . .	1		
Clark College Record, <i>Worcester, Mass.</i> . . . . .	1		
Coe, Mrs. T. U. <i>Bangor</i> . . . . .	6		
Coffran, A. J., <i>Bangor</i> . . . . .	1		
Columbia University, <i>New York City</i> . . . . .	4		
Congregational Conference & Missionary So- ciety of Maine, <i>Portland, Me.</i> . . . . .		4	
Connecticut State Library, <i>Hartford, Conn.</i> . . . . .	2		
Cook, Thos. & Son, <i>New York City</i> . . . . .		7	
Coolidge, Philip, <i>Bangor</i> . . . . .		37	
Cornell University. Agricultural Experiment Station, <i>Ithaca, N. Y.</i> . . . . .	2	32	
Cowasset, Camp, <i>North Falmouth, Mass.</i> . . . . .	1		
Crosby, James H., <i>Bangor</i> . . . . .		13	
Currier, Mrs. L. B., <i>Brewer, Me.</i> . . . . .	4		
Currier, Prof. R. D., <i>Shaftsbury, Vt.</i> . . . . .	1		
Dartmouth College, <i>Hanover, N. H.</i> . . . . .	1		

Giver	Books & Pamphlets	Serials	Other Things
Daughters of the American Revolution, Frances Dighton Williams Chapter, <i>Bangor</i> . . .		12	
Denio, Francis B., <i>Bangor</i> . . . . .	1	14	
Dick, John M., <i>Boston, Mass.</i> . . . . .	1		
Dickey, Mrs. W. P., <i>Bangor, Me.</i> . . . . .		50	
Dillingham, Charles A., <i>Bangor</i> . . . . .	1	6	
Dillingham, E. F., Estate, <i>Bangor</i> . . . . .	1		
Dillingham, Miss Virginia, <i>Bangor</i> . . . . .	3		
Dixon, W. Macneile, <i>London, England</i> . . . . .	1		
Donnelly, Reuben H., Corporation, <i>Chicago, Ill</i>	1		
Donovan, Thomas G., <i>Bangor</i> . . . . .	3		
Doran, George H., Company, <i>New York</i> . . . . .	1		
Doubleday, Page & Co., <i>New York City</i> . . . . .		12	
Drake Memorial Museum, <i>Titusville, Penn.</i> . . . .	4		
Drama League of America, <i>Washington, D. C.</i> . . .	5		
Duluth, Minn. Board of Education . . . . .	1	48	
Dunn, Mathew F., <i>Bangor</i> . . . . .		48	
Du Pont de Nemours, E. I., and Company, <i>Wilmington, Del.</i> . . . . .		7	
Durgin, Horace W., <i>Bangor</i> . . . . .	89		316
East and West News Bureau, <i>New York City</i> . . .	1		
East Maine Conference Seminary, <i>Bucksport, Me.</i> . . . . .	1		
Eastern Europe, <i>Paris, France</i> . . . . .		1	
Eastern Manufacturing Co., <i>New York City</i> . . . .	1	26	
Eastern State Normal School, <i>Castine, Me.</i> . . . .	1		
Eastman, Dr. Charles A., <i>Amherst, Mass.</i> . . . . .	1		
Egyptian Delegation, <i>Washington, D. C.</i> . . . . .	1		
Emerson College of Oratory, <i>Boston, Mass.</i> . . . .	2	7	
Ethan Allen Training Camp, <i>New York City</i> . . .	1		
Fairmount Park Art Association, <i>Philadelphia, Pa.</i> . . . . .	1		
Farnsworth, Mrs. Belinda, <i>Bangor</i> . . . . .		1	

Giver	Books & Pamphlets	Serials	Other Things
Flagg, Chas. A., <i>Bangor</i> .....		9	
Folk, Joseph W., <i>Washington, D. C.</i> .....	1		
Fox, Mrs. Frederick, <i>Bangor</i> .....	1		
France-America Commission, <i>Paris, France</i> .....		11	
Gallagher, Rollin M., <i>Concord, Mass.</i> .....	1		
Gallupe, L. E., <i>Bangor</i> .....	38		
Gary Public Library, <i>Gary, Indiana</i> .....	1		
General Electric Co., <i>Schenectady, N. Y.</i> .....		13	
General Federation of Women's Clubs, <i>Washington, D. C.</i> .....		9	
Gerhard, Dr. William Paul, <i>New York City</i> ..	1		
Godfrey, Mrs. Fred, <i>Bangor</i> .....		11	3
Goodale, G. B., <i>Bangor</i> .....	26		
Goodrich, B. F., Company, <i>Bangor</i> .....	35		
Greider, Emma C., <i>Bethlehem, Penn.</i> .....	1		
Gulick, Mrs. Charlotte V., <i>South Casco, Maine</i>	2		
Gulick, Mr. & Mrs. E. L., <i>Brookline, Mass.</i> .....	1		
Hamilton, Mrs. D. L., <i>Bangor</i> .....	3		
Hamilton, Mrs. Gertrude Beane, <i>Bangor</i> .....	15		
Hammatt, Mrs. E. A. W., <i>South Orleans, Mass.</i> ..	1		
Hampton Institute, <i>Hampton, Virginia</i> .....	1		
Hatch, Dr. L. C., <i>Bangor</i> .....	1	28	
Hayes, Mrs. Sarah B., <i>Greenwich, Conn.</i> .....	1		
Healey, Edward M., <i>New York City</i> .....	1		
Hemstreet, William, <i>Brooklyn, N. Y.</i> .....	1		
Hersey, Hon. Ira G., <i>Washington, D. C.</i> .....	2	2	1
Hersom, Hortense, <i>Belgrade Lakes, Me.</i> .....	1		
Hinckley, Mrs. Frank, <i>Bangor</i> .....		60	
Holy Cross College, <i>Worcester, Mass.</i> .....	1	5	
Home Market Club, <i>Boston, Mass.</i> .....	1	11	
Houghton Mifflin Co., <i>Boston, Mass.</i> .....		2	
Howe (Miss) & Marot (Miss) School, <i>Thompson, Conn.</i> .....	1		

Giver	Books & Pamphlets	Serials	Other Things
Hubbard, Walter L., <i>Charleston, Me.</i> . . . . .		2	
Humane Society of the Commonwealth of Massachusetts, <i>Boston, Mass.</i> . . . . .	1		
Humphrey, O. B., <i>Bangor.</i> . . . . .	7		
Hungarian American Federation, <i>Cleveland, Ohio.</i> . . . . .	2		
Hupert, Julius A., <i>New Britain, Conn.</i> . . . . .	1		
Huston, A. J., <i>Portland, Me.</i> . . . . .	4	2	
Hutchins, E. Gertrude, <i>Bangor.</i> . . . . .		19	
Illinois, University, <i>Urbana, Ill.</i> . . . . .		7	
Illinois, Secretary of State, <i>Springfield, Ill.</i> . . . . .	1		
Indian Rights Association, <i>Philadelphia, Pa.</i> . . . . .	1	2	
Industrial Journal, <i>Bangor.</i> . . . . .	612		
International Association of Casualty and Surety Underwriters, <i>White Sulphur Springs, W. Va.</i> . . . . .	1		
International Correspondence Schools, <i>Scranton, Pa.</i> . . . . .		10	
International Health Board, <i>New York City</i> . . . . .	1		
International Reform Bureau, <i>Washington, D. C.</i> . . . . .	1		
Irish National Bureau, <i>Washington, D. C.</i> . . . . .	2		
Italian Bureau of Public Information, <i>New York City.</i> . . . . .	1	2	
Jacksonville, Florida, Public Library . . . . .	1		
Jacobs, George W. & Co., <i>Philadelphia, Pa.</i> . . . . .			1
Jameson, Charles D., <i>Bangor.</i> . . . . .	383		3
Japan Society, <i>New York City.</i> . . . . .	2	14	
Jersey City, N. J., Free Public Library . . . . .		6	
Jewell, Mrs. Helen M., <i>Bangor.</i> . . . . .	127		3
Jewish Publication Society of America, <i>Philadelphia, Pa.</i> . . . . .	1		
Jewish Theological Seminary of America, <i>New York City</i> . . . . .	2		



Giver	Books & Pamphlets	Serials	Other Things
Jewish War Record, <i>New York City</i> .....	1		
Johnson, Carrie M., <i>Bangor</i> .....	24		
Johnston, Mrs. W. J., <i>Bangor</i> .....			5
Joliet Public Library, <i>Joliet, Ill.</i> .....	1		
Joy, Clara F., <i>Bangor</i> .....	1		
Kahn, Otto H., <i>New York City</i> .....	2		
Kansas City, Mo., Public Library.....	1		
Kavanaugh, T. J., <i>Watertown, Mass.</i> .....	1		
Ken-Jocketee, <i>South Strafford, Vt.</i> .....	2		
Kennedy, Charles F., <i>Brewer, Me.</i> .....	14		
Kents Hill Seminary, <i>Kents Hill, Me.</i> .....	1		
Knowles, Mrs. Marietta, <i>Bangor</i> .....	5		
Korean National Association, <i>San-Francisco, Cal.</i> .....	1		
Ladies' Review, <i>Port Huron, Mich.</i> .....		5	
Lapham, Grace T., <i>New York City</i> .....	1		
Laughton, Marie Ware, <i>Boston, Mass.</i> .....	6		
League to Enforce Peace, <i>New York City</i> .....	8		
Leighton, Vernon, <i>Bangor</i> .....		46	
Lewis, Henry H., <i>Washington, D. C.</i> .....		3	
Library of War Literature, <i>New York City</i> ....	3		
Lincoln University, <i>Chester County, N. Y.</i> .....	1		
Lithuanian National Council, <i>Washington, D. C.</i> .....	1		
Long Beach Public Library, <i>Long Beach, Cal.</i> ....	1		
Long Beach Social Welfare Work, <i>Long Beach, Cal.</i> .....	1		
Loring, Short & Harmon, <i>Portland, Me.</i> .....			
Los Angeles, Cal. Treasury Department.....	1		
Louisville Courier-Journal, <i>Louisville, Kentucky</i>		1	
Louisville Free Public Library, <i>Louisville, Ky.</i> ...	1		
Lovell, Robert S., President, Union Pacific System, <i>New York City</i> .....	1		

Giver	Books & Pamphlets	Serials	Other Things
McClatchy, James & Co., Publishers, <i>Sacramento, Cal.</i> . . . . .	1	2	
McColl, Irving G., <i>New York City</i> . . . . .	1		
McKinnon, W. F., <i>Bangor</i> . . . . .	1		
McLaughlin, Florence P., <i>Bangor</i> . . . . .			10
MacMahon, Mrs. A. L., <i>Brewer, Me.</i> . . . .	14		
MacRae's Blue Book Company, <i>Chicago, Ill.</i> . . . .	1		
Macedono-Bulgarian Central Committee, <i>Chicago, Ill.</i> . . . . .	3		
Madison Board of Commerce, <i>Madison, Wis.</i> . . . .	1		
Maine Agricultural Experiment Station, <i>Orono, Me.</i> . . . . .		7	
Maine Central Institute, <i>Pittsfield, Maine</i> . . . . .	1		
Maine Central Railroad Company, <i>Portland, Me.</i> . . . .	51		
Maine Commissioner of Agriculture, <i>Augusta, Me.</i> . . . . .		8	
Maine General Hospital, <i>Portland, Me.</i> . . . . .	2		
Maine Medical Association, <i>Portland, Me.</i> . . . . .	2		
Maine Sea Coast Missionary, <i>Bar Harbor, Me.</i> . . . .	4		
Maine State Board of Charities and Corrections, <i>Augusta, Me.</i> . . . . .		2	
Maine State Department of Health, <i>Augusta, Me.</i> . . . . .	1	7	25
Maine State Library, <i>Augusta, Me.</i> . . . . .	21	9	
Maine State Society for the Protection of Animals, <i>Portland, Me.</i> . . . . .	1		
Maine, State Superintendent of Schools, <i>Augusta, Me.</i> . . . . .		43	
Maine, University, Agricultural Club, <i>Orono, Me.</i> . . . . .		8	
Maine, University College of Law, <i>Orono, Me.</i> . . . .		4	
Malden Public Library, <i>Malden, Mass.</i> . . . . .	3	4	

	Books & Pamphlets	Serials	Other Things
Manila Daily Bulletin, <i>Manila, Philippine Islands</i> .....	1		
Manufacturers Aircraft Association, <i>New York City</i> .....	1		
Maple Flooring Manufacturers' Association, <i>Chicago, Ill.</i> .....	1		
Maryland State College, <i>College Park, Md.</i> .....	1		
Mason, Dr. W. C., <i>Bangor</i> .....	1		10
Massachusetts Charitable Mechanic Association, <i>Boston, Mass.</i> .....	1		
Massachusetts Institute of Technology, <i>Cambridge, Mass.</i> .....	1		
Mazdaznan Society, <i>Los Angeles, Cal.</i> .....		12	
Michigan Historical Commission, <i>Lansing, Mich.</i>	1	4	
Military Order of the Loyal Legion, U. S., Commandery of the State of Maine, <i>Portland, Me.</i> .....		8	
Millard Publishing Co., <i>Shanghai, China</i> .....		10	
Miller, Edward C., <i>New York City</i> .....	1		
Milton, Mass., Public Library. ....		1	
Minneapolis, Minn., Board of Park Commission	1		
Minneapolis, Minn., Superintendent of Public Schools.....	1		
Missouri Council of Defense, <i>Jefferson City, Mo.</i>	1		
Mitchell, Henry L., <i>Bangor</i> .....	3		
Morehouse Publishing Co., <i>Milwaukee, Wis.</i> .....	1		
Moses, Jasper T., <i>New York City</i> .....		10	
Mount Holyoke College, <i>South Hadley, Mass.</i> ..	1		
Mount Vernon Ladies' Association of the Union, Mt. Vernon-on-the - Potomac, <i>Fairfax County, Va.</i> .....	1		
National Association of Distillers & Wholesale Dealers, <i>Cincinnati, Ohio</i> .....		3	

	Books & Pamphlets	Serials	Other Things
National Association of Manufacturers, <i>New York City</i> .....	3		
National Budget Committee, <i>Washington, D. C.</i>		7	
National Catholic War Council, Commission of Special War Activities, <i>Washington, D. C.</i> ....		11	
National Catholic War Council, <i>Washington, D. C.</i> .....		9	
National Civic Federation Review, <i>New York City</i> .....		22	
National Civil Liberties Bureau, <i>New York City</i> .....	8		
National Civil Service Reform League, <i>New York City</i> .....		11	
National City Company, <i>New York City</i> .....	2		
National Industrial Conference Board, <i>Boston, Mass.</i> .....	1		
National Lumber Manufacturers Association, <i>Chicago, Ill.</i> .....	1		
National Progress Publishing Co., <i>Toronto, Canada</i> .....		4	
National Security League, <i>New York City</i> .....	2		
National Short Ballot Organization, <i>New York City</i> .....		2	
National X-Ray Reflector Company, <i>Chicago, Ill.</i> .....	1		
Nelson Publishing Company, <i>Bangor</i> .....	2		
New Century Corporation, <i>Point Loma Cal.</i> .....		12	
New Orleans Association of Commerce, <i>New Orleans, La.</i> .....	1		
New York College of Dental and Oral Surgery, <i>New York City</i> .....	1		
New York Evening Post, <i>New York City</i> .....		1	
New York Genealogical and Biographical So- ciety, <i>New York City</i> .....	11		

	Books & Pamphlets	Serials	Other Things
New York Guaranty Trust Co., <i>New York City</i> .	12		
New York Hospital, <i>New York City</i> . . . . .	1		
New York Merchants' Association, <i>New York City</i> . . . . .	1		
New York Metropolitan Museum of Art, <i>New York City</i> . . . . .	1		
New York, National Bank of Commerce . . . . .	2		
New York, National City Bank . . . . .	4	57	
New York, New Haven & Hartford Railroad Company, <i>New Haven, Conn.</i> . . . . .	1		
New York Public Library, <i>New York City</i> . . . . .		15	
New York Public Library, Library School, <i>New York City</i> . . . . .	1		
New York State College of Agriculture, Cornell University, <i>Ithica, N. Y.</i> . . . . .	1		
New York State Library, <i>Albany, N. Y.</i> . . . . .	4		
New York Times Review of Books, <i>New York City</i> . . . . .	1		
New York University of the State of New York, <i>Albany, N. Y.</i> . . . . .	13		
Nicholson, Hugh, <i>Bangor</i> . . . . .	1		
North Carolina Historical Commission, <i>Raleigh, N. C.</i> . . . . .	17		
Old Book Store, <i>Raleigh, N. C.</i> . . . . .	1		
Old Colony Trust Company, <i>Boston, Mass.</i> . . . .	1		
Oriental Esoteric Library League, <i>Washington, D. C.</i> . . . . .		25	
Osterhout Free Library, <i>Wilkes-Barre, Pa.</i> . . . .		5	
Oxford University Press, <i>New York City</i> . . . . .		3	
Palmer, Mrs. Benjamin P., <i>North Cambridge, Mass.</i> . . . . .			2
Pan-Epirotic Union in America, <i>Boston, Mass.</i> . .	1		

Giver	Books & Pamphlets	Serials	Other Things
Pani, Alberto J., Secretary of Industry, Commerce and Labor, <i>Mexico</i> .....	1		
Paper Trade Journal, <i>New York City</i> .....		1	
Pawtucket, R. I., Deborah Cook Sayles Public Library.....	1		
Payne, George Henry, <i>New York City</i> .....	1		
Peabody Institute Library, <i>Peabody, Mass.</i> .....	1		
Peking Union Medical College, <i>New York City</i> .....	1		
Pennsylvania University, <i>Philadelphia, Penn.</i> ....	2		
Penobscot County, County Commissioners, <i>Bangor</i> .....	1		
Penobscot Savings Bank.....	13		
Perkins, H. E., <i>Washington, D. C.</i> .....	1		
Perry, Ralph F., <i>Montclair, N. J.</i> .....	1		
Philadelphia Rapid Transit Company, <i>Philadelphia, Pa.</i> .....	3		
Philippine Press Bureau, <i>Washington, D. C.</i> .....	2	10	
Phillips Exeter Academy, <i>Exeter, N. H.</i> .....		2	
Pine, Jack, <i>Denver, Col.</i> .....	2		
Plaisted, Miss Gertrude, <i>Bangor</i> .....	33		167
Playground and Recreation Association of America, <i>New York City</i> .....	1		
Polish National Department of America, <i>Washington, D. C.</i> .....		18	
Pomilio Brothers Corporation, <i>New York City</i> ..	1		
Porter, Mrs. J. J., <i>Bangor</i> .....	9		
Porter, Miss Rhoda J., <i>Bangor</i> .....	4		
Poughkeepsie, N. Y., Adriance Memorial Library.....	1		
Power, Mrs. John J., <i>Bangor</i> .....	19		
Pratt Institute, <i>Brooklyn, N. Y.</i> .....	1		
Prentiss, Mrs. S. R., <i>Bangor</i> .....	1		
Protestant Episcopal Church, <i>Portland, Me.</i> ....		11	

	Books & Pamphlets	Serials	Other Things
Providence Public Library, <i>Providence, R. I.</i> . . . .	2		
Publishers' Advisory Board, <i>New York City</i> . . . .	1		
Putnam's, G. P., Sons, <i>New York City</i> . . . . .	4		
Quinn, Miss Marie, <i>Bangor</i> . . . . .	1		
Rand, Miss Eva E., <i>Bangor</i> . . . . .	1		
Rand, Mrs. Pauline M., <i>Bangor</i> . . . . .	1		
Rand School of Social Science, <i>New York City</i>	1		
Rao, R. Sitarama, <i>South Brewer, Me.</i> . . . .		10	
Ray, W. L., <i>Bangor</i> . . . . .	3		
Red Cross Institute for Crippled and Disabled Men, <i>New York City</i> . . . . .	13	6	10
Red Cross Institute for the Blind, <i>Baltimore, Maryland</i> . . . . .	2		
Remington Arms Union Metallic Cartridge Company, <i>New York City</i> . . . . .			1
Remington Typewriter Co., <i>New York City</i> . . .		3	
Rensselaer Polytechnic Institute, <i>Troy, N. Y.</i> . .	1	9	
Repton Naval Camp, <i>Tarrytown-on Hudson, N. Y.</i> . . . . .	1		
Review and Herald Publishing Association, <i>Washington, D. C.</i> . . . . .		1	
Revue des Deux Mondes, <i>Paris, France</i> . . . . .		20	
Roberts, Miss Charlotte, <i>Bangor</i> . . . . .		51	
Rockefeller, John D., Jr., <i>New York City</i> . . . . .	1		
Rockefeller Foundation, <i>New York City</i> . . . . .	2		
Rosenthal, B. J., <i>Chicago, Ill.</i> . . . . .	1		
Rosicrucian Fellowship, <i>Oceanside, Cal.</i> . . . . .		13	
Roys, C. A., <i>Boston, Mass.</i> . . . . .	1		
Russell, Lindsay, <i>New York City</i> . . . . .	1		
Russell Sage Foundation Library, <i>New York City</i> . . . . .		6	
Russian Information Bureau, <i>New York City</i> . . .	1		
St. Louis City Plan Commission, <i>St. Louis, Mo.</i>	5		

Giver	Books & Pamphlets	Serials	Other Things
St. Louis Mercantile Library Association, <i>St. Louis, Mo.</i> . . . . .	1		
St. Louis, Mo., Public Library . . . . .		12	
Sargent Camp, <i>Cambridge, Mass.</i> . . . . .	1		
Sasserno, Joseph Henry, <i>Boston, Mass.</i> . . . . .	1		
Sawyer, Mrs. Robert W., <i>Bangor</i> . . . . .	61	239	
School News Co., <i>New York City</i> . . . . .		49	
Scott, J. W., & Co. . . . .		8	
Scranton Public Library, <i>Scranton, Pa.</i> . . . . .	1		
Shorey, H. A., <i>Bridgton, Me.</i> . . . .			5
Sinclair, Upton, <i>Pasadena, Cal.</i> . . . . .		49	
Slav Press Bureau, <i>New York City</i> . . . . .	2		
Smith, A. F., <i>Bangor</i> . . . . .	1		
Smithsonian Institution, <i>Washington, D. C.</i> . . . .	6	9	
Snead & Company Iron Works, Inc., <i>Jersey City, New Jersey</i> . . . . .	1		
Society for Promotion of Federation of Nations, <i>Los Angeles, Cal.</i> . . . . .		1	
Society of American Indians, <i>Washington, D. C.</i> . . . .		3	
Soule, Dana, <i>Bangor</i> . . . . .	1		
South Dakota School of Mines, <i>Rapid City, South Dakota</i> . . . . .	1		
Sprague, Mrs. F. E., <i>Bangor</i> . . . . .	1		
Sprague, Mrs. G. A., <i>Bangor</i> . . . . .	4	37	
Spratt, Miss Mary R., <i>Bangor</i> . . . . .	36		12
Standard Oil Co., <i>Bayonne, N. J.</i> . . . . .		6	
Studebaker, <i>South Bend, Ind.</i> . . . . .	1		
Sullivan, Mrs. Edwin P., <i>Bangor</i> . . . . .	2		
Sullivan, James T., <i>Bangor</i> . . . . .	1		
Sweet, Caldwell, <i>Bangor</i> . . . . .	47		
Swift & Company, <i>Chicago, Ill.</i> . . . . .	2		
Tewksbury, Miss Helena M., <i>Bangor</i> . . . . .	13		
Texas Company, <i>New York City</i> . . . . .	1		



Giver	Books & Pamphlets	Serials	Other Things
Theosophical Society, <i>Brooklyn, N. Y.</i> .....		4	
Theosophical Society, <i>Los Angeles, Cal.</i> .....	1		
Thompson, Mrs. J. A., <i>Bangor</i> .....	3		
Thompson, Slason, <i>Chicago, Ill.</i> .....	1		
Tudela, Francisco, <i>Washington, D. C.</i> .....	2		
U. S. Boys' Working Reserve, <i>Washington, D. C.</i> .....		5	
U. S. Committee on Public Information, <i>Washington, D. C.</i> .....		73	
U. S. Council of National Defense, <i>Washington, D. C.</i> .....	8	10	36
U. S. Department of Agriculture, <i>Washington, D. C.</i> .....		19	
U. S. Department of Agriculture, Forest Service, <i>Washington, D. C.</i> .....	1		
U. S. Department of Agriculture, Weather Bureau, <i>Washington, D. C.</i> .....	1		
U. S. Department of Commerce, Bureau of Standards, <i>Washington, D. C.</i> .....	1		
U. S. Department of Commerce, Steamboat Inspection Service, <i>Washington, D. C.</i> .....	2		
U. S. Department of Labor, Bureau of Industrial Housing and Transportation, <i>Washington, D. C.</i> .....	1		
U. S. Department of Labor, Children's Bureau, <i>Washington, D. C.</i> .....	2		20
U. S. Department of Labor, Library, <i>Washington, D. C.</i> .....	1		
U. S. Department of Labor, Working Conditions Service, <i>Washington, D. C.</i> .....	1		
U. S. Department of State. International Joint Commission, <i>Washington, D. C.</i> .....	2		

Giver	Books & Pamphlets	Serials	Other Things
U. S. Department of the Interior, <i>Washington, D. C.</i> .....	2		
U. S. Department of the Interior, Bureau of Education, <i>Washington, D. C.</i> .....	4		1
U. S. Department of the Interior, Geological Survey, <i>Washington, D. C.</i> .....			39
U. S. Department of the Interior, National Park Service, <i>Washington, D. C.</i> .....	2		
U. S. Department of State, <i>Washington, D. C.</i> ....	4		
U. S. Division of Educational Extension, <i>Washington, D. C.</i> .....		17	
U. S. Federal Board for Vocational Education, <i>Washington, D. C.</i> ....	6		
U. S. Food Administration, <i>Madison, Wisconsin</i>	1		
U. S. Food Administration. License Division, <i>Washington, D. C.</i> .....	2		
U. S. Fuel Administration, <i>Washington, D. C.</i> ....	51		
U. S. Government Printing Office, Division of Public Documents, <i>Washington, D. C.</i> .....	8		
U. S. House of Representatives, <i>Washington, D. C.</i> .....	6		
U. S. Library of Congress, <i>Washington, D. C.</i> ....	2		
U. S. National War Garden Commission, <i>Washington, D. C.</i> .....	18		4
U. S. Navy Department, <i>Washington, D. C.</i> .....	1		
U. S. Postmaster General, <i>Washington, D. C.</i> ....			7
U. S. Railroad Administration, <i>Washington, D. C.</i> .....	4		
U. S. Senate, <i>Washington, D. C.</i> ....	7		
U. S. Shipbuilding Corporation, <i>Philadelphia, Pa.</i> .....	4		
U. S. Shipping Board, <i>Washington, D. C.</i> .....	17		

Giver	Books & Pamphlets	Serials	Other Things
U. S. Shipping Board, Emergency Fleet Corporation, <i>Philadelphia, Pa.</i> . . . . .			20
U. S. Shipping Board Recruiting Office, <i>Boston, Mass.</i> . . . . .	1		
U. S. Superintendent of Documents, <i>Washington, D. C.</i> . . . . .	314	2,502	30
U. S. Surgeon General, <i>Washington, D. C.</i> . . . . .		6	
U. S. Treasury Department, <i>Washington, D. C.</i> . . . . .	15		103
U. S. Treasury Department. War Finance Corporation, <i>Washington, D. C.</i> . . . . .	2		
U. S. War Department, <i>Washington, D. C.</i> . . . . .	16		
U. S. War Department, Adjutant General's Office, <i>Washington D. C.</i> . . . . .		5	
U. S. War Department, Bureau of Insular Affairs, <i>Washington, D. C.</i> . . . . .	1		
U. S. War Department, Commission on Training Camp Activities, <i>Washington, D. C.</i> . . . . .	4		
U. S. War Department, Office of the Chief of Staff, War college Division, <i>Washington, D. C.</i> . . . . .	1		
United War Work Campaign, <i>New York City</i> . . . . .	1		
Vacuum Oil Company, <i>New York City</i> . . . . .	6		
Vassar College, <i>Poughkeepsie, New York</i> . . . . .	1		
Vermont Commissioner of Agriculture, <i>Montpelier, Vt.</i> . . . . .	1		
Vermont University, <i>Burlington, Vt.</i> . . . . .	2		
Virginia State Library, <i>Richmond, Virginia</i> . . . . .	2		
Walker, Miss A. C., Estate of, <i>Bangor</i> . . . . .	11		
Walton, Dr. Alfred, <i>Bangor</i> . . . . .	50	12	
Warren, J. B., <i>New York City</i> . . . . .	1		
Warren, S. D., Company, <i>Boston, Mass.</i> . . . . .	1		
Washington University, <i>Seattle, Washington</i> . . . . .		1	
Webb, Harold S., <i>Bangor</i> . . . . .	1		

Giver	Books & Pamphlets	Serials	Other Things
Webster, Miss Mary L., <i>Bangor</i> . . . . .	1	18	
Weed, Miss, <i>Bangor</i> . . . . .		46	
Weeks, George F., <i>Washington, D. C.</i> . . . .		12	
Wellesley College, <i>Wellesley, Mass.</i> . . . .	1		
Westbrook Seminary, <i>Portland, Me.</i> . . . .	1		
Wheaton College, <i>Norton, Mass.</i> . . . .	1		
White, Mrs. Frances Hodges, <i>Lynn, Mass.</i> . . . .	1		
Widdowson, R. A., <i>Chicago, Ill.</i> . . . .	1		
Williamson, M. L., <i>Washington, D. C.</i> . . . .		7	
Wilmington Institute Free Library, <i>Wilmington,</i> <i>Delaware</i> . . . . .	1	7	
Wilton Academy, <i>Wilton, Me.</i> . . . .	1		
Wing, S. E., <i>Brewer, Me.</i> . . . .	1		
Winship Publishing Co., <i>New York City</i> . . . . .		10	
Winslow, Will P., <i>Larone, Me.</i> . . . .	1		
Witham, Mrs. L. M., <i>Bangor</i> . . . . .	8		
Wood, Mrs. C. H., <i>Bangor</i> . . . . .	55		
Wood, Henry A. Wise, <i>New York City</i> . . . . .	1		
Wood, J. O., <i>South Woodstock, Conn.</i> . . . . .	1		
Woods, Mrs. Charles D., <i>Orono, Me.</i> . . . .	5		
Worcester, Mass., Free Public Library . . . . .	1	5	
World Peace Foundation, <i>Boston, Mass.</i> . . . .	8	30	1
World Trade Club, <i>San Francisco, Cal.</i> . . . .	2		
Wynona Camp for Girls, <i>Fairlee, Vt.</i> . . . .	2		
Y. M. C. A. National War Work Council Pub- licity Bureau, <i>Boston, Mass.</i> . . . .	1		
Y. W. C. A., <i>New York City</i> . . . . .	10	25	8
Yale University Library, <i>New Haven, Conn.</i> . . . .	1		
Unknown . . . . .	44	70	2

## Report of the Street Commissioner

*To His Honor, the Mayor, and the City Council:*

Gentlemen:

The Street Commissioner herewith submits his annual report for the year ending February 28, 1920.

Appropriation..... \$130,050.00

Additional Appropriation..... 5,621.05

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Total Appropriation..... \$135,671.05

### TOTAL LIST OF EXPENDITURES

General Administration..... \$3,020.73

### GENERAL HIGHWAY EXPENDITURES

Salaries and Wages.....	\$37,090.14
Material.....	585.36
Supplies.....	1,051.83
Veterinary and Medicine.....	220.04
Suburban Agents.....	5,360.28
Hay, Grain and Straw.....	9,100.76
Equipment, Renewals and Repairs.....	4,598.02
Equipment Replaced.....	780.00
Horse Shoeing.....	1,678.01
Insurance.....	1,632.61
Gasoline and Oil for Autos.....	1,024.77
All Other.....	494.29

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## CITY OF BANGOR

309

Horses . . . . .	535.00	
Use of Horses . . . . .	567.67	
Rubber Coats and Boots . . . . .	14.34	
Patrol Highway . . . . .	516.60	
Use of Cement Mixer . . . . .	250.00	
		<hr/> \$64,329.00
Sidewalks and Curbing Repaired and Maintained . . .	\$2,061.23	
Snow and Ice Removal . . . . .	12,824.29	
Sprinkling and oiling . . . . .	9,811.29	
Hammond St. Paving . . . . .	5,146.64	
Re-Construction Center St. . . . .	4,750.34	
Construction State Road . . . . .	6,298.72	
Re-Construction Sidewalks and Curbing . . . . .	3,452.04	
Construction Sidewalks and Curbing . . . . .	1,544.07	
New Equipment . . . . .	9,750.00	
Sprinkling Equipment . . . . .	335.77	
Refuse and Garbage Removal . . . . .	2,538.75	
Street Cleaning . . . . .	9,808.18	
		<hr/> \$68,321.32
Total amount expended . . . . .		<hr/> \$135,671.05

In the above list of expenditures, the total of salaries and wages includes \$1,500.00 bonus, paid to the employees who have been employed in the department one year or more.

## NEW EQUIPMENT

2-2½ Ton Trucks . . . . .	\$7,100.00	
1 Sprinkler . . . . .	335.77	
1 Wagon Loader . . . . .	1,029.00	
1 Steam Pressure Scarifier . . . . .	921.00	
1 Road Machine . . . . .	280.00	
		<hr/> \$9,665.77

All carts, sprinklers, snow plows and sleds have been thoroughly overhauled and painted and are now in good repair except the sprinklers, several of which need new sprinkler heads.

## MATERIAL HAULED

Gravel.....	16,076 cubic yards
Sand.....	1,715 cubic yards
Crushed Rock.....	927 cubic yards
Pea Stone.....	166 cubic yards
Rock.....	87 cubic yards
Cinders.....	1,402 loads
Material from Excavation of Hammond and Center Streets (Mostly Crushed Rock).....	2,398 cubic yards

Of the above list of material 1,248 cubic yards was hauled by Bangor Railway and Electric Co.'s gravel car and the balance by teams and trucks. The following list will show the distribution of above material.

## GRAVEL ON STREETS

Birch Street.....	3 Cu. Yds.
Bowden St.....	1 "
Broadway.....	447 "
Boutelle Road.....	3 "
Barker St.....	4 "
Buck St.....	1 "
Center Street.....	13 "
Center St. Construction.....	1,603 "
Cross St.....	85 "
Court St.....	41 "
Cumberland St.....	14 "
Cooper Road.....	141 "
Central St. rear of No. 25.....	2 "
Cedar St.....	35 "
Cottage St.....	219 "
Congress St.....	1 "
Cram Road.....	252 "
Essex St.....	946 "
Elm St.....	36 "

Fourteenth St.....	299 Cu. Yds.
First St.....	37 "
French St.....	498 "
Fern St.....	1 "
Franklin St.....	51 "
Forest Ave.....	53 "
Fifth St.....	1 "
Fourth St.....	1 "
Garland St.....	7 "
Grove St.....	68 "
Griffen Road.....	8 "
Graham Ave.....	24 "
Howard Lane.....	4 "
Harlow St.....	1 "
High St.....	11 "
Highland Ave.....	1 "
Hammond St.....	516 "
Hayward St.....	1 "
Hancock St.....	15 "
Hodgdon St.....	36 "
Highland St.....	356 "
Holland St.....	2 "
Hudson St.....	1 "
Haymarket Square.....	4 "
Kenduskeag Ave.....	734 "
Leighton St.....	58 "
Lafayette St.....	10 "
Larkin St.....	85 "
Main St.....	215 "
McKinley St.....	1 "
Merrimac St.....	1 "
Mt. Hope Ave.....	2 "
Norway Road.....	1 "
North Street.....	54 "
North Park St.....	5 "
Oak St.....	14 "
Ohio St.....	145 "



Olive Heights.....	5 Cu. Yds.
Palm St.....	2 "
Pine St.....	153 "
Pier St.....	6 "
Parkview Ave.....	20 "
Pickering Square.....	22 "
Penobscot St.....	35 "
Park St.....	291 "
Poplar St.....	1 "
Pearl St.....	2 "
Rear Entrance to Mt. Hope Cemetery.....	116 "
State St.....	114 "
Somerset St.....	276 "
Sanford St.....	5 "
Summer St.....	10 "
Summit Ave.....	1 "
Strickland Road.....	82 "
Sidney St.....	2 "
Spring St.....	1 "
Seventeenth St.....	1 "
Thirteenth St.....	2 "
Third St.....	7 "
Union Street.....	437 "
Warren St.....	3 "
Webster Ave.....	48 "
Washington Street.....	3 "
Williams St.....	53 "
West Broadway.....	5 "
Wiley St.....	126 "
Walter St.....	32 "
Winter St.....	12 "
West Market Sq.....	1 "
Valley Ave.....	4 "
Vine St.....	1 "
York St.....	298 "

---

 9,336 Cu. Yds.

## GRAVEL ON SIDEWALKS

Autum St.....	14 Cu. Yds.
Allen St.....	3 "
Bower St.....	2 "
Broadway.....	3 "
Boutelle Road.....	27 "
Buck St.....	5 "
Blackstone St.....	12 "
Broad St.....	1 "
Central St.....	1 "
Chester Place.....	7 "
Cedar St.....	3 "
Center St.....	52 "
Charles Street.....	12 "
Cumberland St.....	1 "
Church Lane.....	5 "
Congress St.....	3 "
Division St.....	21 "
Dean St.....	13 "
Dutton St.....	40 "
Elm St.....	3 "
Essex St.....	1 "
Fruit St.....	5 "
Fourth St.....	19 "
Fairmount Park.....	8 "
Franklin St.....	21 "
French St.....	5 "
Fountain St.....	5 "
Fifteenth St.....	3 "
Fourteenth St.....	4 "
Grant St.....	12 "
Garland St.....	5 "
Harlow St.....	1 "
Hammond St.....	3 "
Hancock St.....	9 "
Hellier St.....	13 "

Hubbard St.....	15 Cu. Yds.
Independent St.....	4 "
Jefferson St.....	19 "
Leighton St.....	21 "
Larkin St.....	15 "
Lincoln St.....	60 "
Main St.....	231 "
Montgomery St.....	3 "
Merrimac St.....	4 "
Market St.....	53 "
North St.....	11 "
Norfolk St.....	8 "
Newbury St.....	3 "
Ohio St.....	255 "
Oak St.....	12 "
Parkview Ave.....	7 "
Patten St.....	7 "
Palm St.....	5 "
Pearl St.....	3 "
Perkins St.....	4 "
Parker St.....	33 "
Pine St.....	13 "
Pier St.....	40 "
Prentiss St.....	2 "
Royal Road.....	5 "
State St.....	135 "
Sanford St.....	10 "
Spruce St.....	8 "
Sidney St.....	2 "
Somerset St.....	1 "
South St.....	2 "
Summer St.....	5 "
Savage St.....	1 "
Seventh St.....	25 "
Sixteenth St.....	1 "
Spring St.....	1 "
South Park St.....	24 "

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## CITY OF BANGOR

315

Third St.....	58 Cu. Yds.
Thatcher St.....	6 "
Union Place.....	2 "
Union St.....	36 "
Vine St.....	1 "
Washington St.....	26 "
Warren St.....	5 "
West Street.....	6 "
Webster Ave.....	41 "
Wing St.....	22 "
Walter St.....	1 "
West Broadway.....	1 "
Willow St.....	9 "

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1,614 Cu. Yds.

## SAND

Broadway Park Swimming Pool.....	6 Cu. Yds.
Concrete Sidewalk Construction.....	143 "
Concrete Base for Paving at Union St.....	10 "
Electric Department.....	16 "
Hammond St. Cement Road.....	436 "
Hammond St. Curb and Sidewalk.....	31 "
Hammond St. Paving Repairs.....	12 "
Paving Forest Ave. Gutter.....	11 "
Paving Parkview Ave. Gutter.....	3 "
Repairs to Wood Blocks, Harlow St.....	2 "
Sand Shed.....	1,039 "
Setting Curb Cedar St.....	3 "
Setting Curb Stillwater Ave.....	3 "

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1,715 Cu. Yds.

## CRUSHED ROCK

Court St.....	2 Cu. Yds.
Cumberland St.....	12 "

Concrete Base for Paving at Union St. ....	7	"
Center St. Construction. ....	151	"
Concrete Sidewalk Construction. ....	268	"
Hammond St. Curb and Sidewalk. ....	37	"
Hammond St. Cement Road. ....	426	"
Pickering Square. ....	2	"
Resurfacing Main St. ....	10	"
Stillwater Ave. ....	4	"
Webster Ave. ....	8	"
		<hr/>
		927 Cu. Yds

## PEA STONE

Resurfacing Broadway.....	2 Cu. Yds.
Hammond St. (Resurfacing).....	61 “
Resurfacing Main St.....	103 “
	<hr/>
	166 Cu. Yds.

## ROCK

Center St. Construction. ....	87 Cu. Yds.
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## CINDERS ON STREETS

Broad St. ....	3 loads
Birch St. ....	3 loads
Broadway. ....	5 loads
Bowdoin St. ....	1 load
Coombs St. ....	21 loads
Clark St. ....	1 load
Cumberland St. ....	8 loads
Dartmouth St. ....	2 loads
Dean St. ....	2 loads
Elm St. ....	1 load
Essex St. ....	34 loads

Emerson St. ....	1 load
East Summer St. ....	4 loads
Fifth St. ....	6 loads
Fourth St. ....	2 loads
Fern St. ....	4 loads
Fruit St. ....	2 loads
Forest Ave. ....	1 load
French St. ....	62 loads
Fourteenth St. ....	1 load
Garland St. ....	11 loads
Grace Court. ....	1 load
Hancock St. ....	1 load
Hubbard St. ....	1 load
Hamlin Ave. ....	29 loads
Hammond St. ....	30 loads
Hogan Road. ....	118 loads
Holland St. ....	1 load
Haymarket Square. ....	1 load
Larkin St. ....	26 loads
Leighton St. ....	2 loads
Lincoln St. ....	21 loads
Lane St. ....	12 loads
Mt. Hope Ave. ....	105 loads
Merrimac St. ....	6 loads
Market St. ....	4 loads
Main St. ....	2 loads
Maple St. ....	2 loads
Newbury St. ....	2 loads
Pearl St. ....	158 loads
Parkview Ave. ....	141 loads
Palm St. ....	74 loads
Pine St. ....	3 loads
Franklin St. ....	1 load
Hazel Lane. ....	1 load
Fremont St. ....	3 loads
Ohio St. ....	2 loads
Parker St. ....	45 loads

Pier St. ....	4 loads
Perkins St. ....	1 load
Royal Road. ....	1 load
South Park St. ....	4 loads
Summer St. ....	6 loads
Somerset St. ....	1 load
Sidney St. ....	2 loads
State St. ....	5 loads
Second St. ....	86 loads
Sanford St. ....	1 load
Stillwater Ave. ....	17 loads
Seventh St. ....	11 loads
Thirteenth St. ....	4 loads
Union St. ....	15 loads
Webster Ave. ....	20 loads
Warren St. ....	27 loads
West St. ....	8 loads
Yale St. ....	1 load
<hr/>	
	1,181 loads

### CINDERS ON SIDEWALKS

Allen St. ....	2 loads
Broadway. ....	1 load
Birch St. ....	1 load
Boyd St. ....	1 load
Carr St. ....	1 load
Dutton St. ....	8 loads
Everett St. ....	1 load
French St. ....	4 loads
Grove St. ....	1 load
Hancock St. ....	3 loads
Hammond St. ....	25 loads
Larkin St. ....	3 loads
Mt. Hope Ave. ....	76 loads
Pearl St. ....	37 loads

Perkins St.....	3 loads
Patten St.....	1 load
Stillwater Ave.....	19 loads
Third St.....	3 loads
Union St.....	1 load
Vine St.....	1 load
Washington St.....	13 loads
West Broadway.....	1 load

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207 loads

Fourteen loads of cinders were used on various streets fixing slues.

### MATERIAL HAULED FROM EXCAVATION OF CENTER ST.

Broadway.....	5 Cu. Yds.
Center St. Sidewalk.....	96 "
Cumberland St.....	115 "
French St.....	32 "
Garland St.....	316 "
Norfolk St.....	61 "
Pine St.....	11 "
South Park St:.....	485 "

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1,121 Cu. Yds.

### MATERIAL HAULED FROM EXCAVATION OF HAMMOND STREET

Buck St.....	3 Cu. Yds.
Cedar St.....	16 "
First St.....	43 "
Lincoln St.....	16 "
Perkins St.....	3 "
Pier St.....	309 "
Sixth St.....	373 "



Webster Ave. Sidewalk.....	16	"
Sixth St. Sidewalk.....	197	"
Lincoln St Sidewalk.....	301	"
		<hr/>
		1,277 Cu. Yds.

## GRAVEL—ALL OTHER

Electric Department.....	51	Cu. Yds.
Hammond St. Cement Road.....	713	"
Oiling Broadway.....	53	"
Oiling Center St.....	15	"
Oiling Essex St.....	63	"
Oiling Hammond St.....	143	"
Oiling Main St.....	55	"
Oiling Penobscot St.....	3	"
Oiling State St.....	222	"
Oiling Somerset St.....	10	"
Re-surfacing Broadway.....	17	"
Re-surfacing Hammond St.....	13	"
Re-surfacing Main St.....	51	"
Paving Forest Ave. Gutter. (Cement Work)....	21	"
Piled at Yard.....	317	"
Piled at Abbott Square.....	265	"
	2,012	Cu. Yds.

Gravel on Suburban Roads.....3,114 Cu. Yds.

## NEW PLANK CULVERT

Allen St. Sidewalk.....	1
Fifteenth St. Sidewalk.....	1
Grove St.....	1

## PLANK CULVERTS REPAIRED

Allen St. Sidewalk.....	2
Broadway Sidewalk.....	1

Center St.....	1
Charles St. Sidewalk.....	1
Church Road.....	1
Dartmouth St.....	2
Elm St.....	1
Earl Ave.....	2
Elm St. Sidewalk.....	1
Fourteenth St. Sidewalk.....	1
Fifteenth St.....	1
Forest Ave.....	1
Fifteenth St. Sidewalk.....	1
Fremont St.....	1
Fifth St.....	1
Grove St. Sidewalk.....	3
Griffin Road.....	1
Hubbard St.....	1
Hammond St.....	1
Henry St.....	1
Hammond St. Sidewalk.....	2
Lincoln St.....	1
Linden St.....	1
Manners Ave.....	1
Market St.....	1
Mt. Hope Ave.....	2
Montgomery St.....	1
Norway Road.....	1
New York St. Sidewalk.....	2
Odlin Road.....	1
Parkview Ave. Sidewalk.....	1
Seventeenth St.....	3
Sixteenth St.....	1
Sanford St.....	1
Thirteenth St.....	1
Vernon St.....	1
West Broadway.....	1
West Park.....	1
Yale St.....	1

## NEW METAL CULVERTS

34 ft. 15 inch Acme Culvert on Union St. at Manners Ave.  
 40 ft. 15 inch Acme Culvert on Newcomb Road.  
 35 ft. 20 inch Acme Culvert on Union St. at Hall's Field.  
 36 ft. 12 inch Acme Culvert on Garland St.  
 24 ft. 12 inch Acme Culvert on Catell St. at Hubbard St.  
 34 ft. 15 inch Acme Culvert on Ohio St. above Finson Road.  
 28 ft. 12 inch Penco Culvert on Pushaw Road.  
 33 ft. 10 inch Acme Culvert on Cram Road at Fuller Road.  
 11 ft. 10 inch Acme Culvert on Sixth St.

## CULVERTS SOLD

14 ft. 10 inch Acme Culvert on Market St. to Bangor Baking Co.  
 14 ft. 10 inch Acme Culvert on Cedar St. to Curtis Durgain.  
 12 ft. 10 inch Acme Culvert on French St. to H. G. Reynolds.  
 13 ft. 10 inch Acme Culvert on Congress St. to Dr. H. D. Worth.  
 44 ft. 15 inch Acme Culvert on Pier St. to Simmonds and Hammond.  
 14 ft. 10 inch Acme Culvert on Buck St. to E. N. Miller.

## NEW CONCRETE SIDEWALKS

Poplar St Northerly side. . . . .	207.29 Sq. Yds. at \$1.25 ..	\$259.11
Larkin St. Northeasterly side. . . . .	380.60 Sq. Yds. at 1.25 ...	475.75
Larkin St. Southwesterly side. . . . .	157.50 Sq. Yds. at 1.25 ...	196.87
Sanford St. Northwesterly side. . . . .	53.45 Sq. Yds. at 1.25. . . . .	66.81
Somerset St. Southerly side. . . . .	116.95 Sq. Yds. at 1.25 ...	146.18
Webster Ave. North, N. W. side . . . . .	266.01 Sq Yds. at 1.25. . . . .	269.75
Total. . . . .	1,181.80 Sq. Yds.	\$1,414.47

## SIDEWALKS RECONSTRUCTED

Center St. W. side. . . . .	147.68 Sq. Yds at \$1.25. . .	\$184.60
Cedar St. N. E. side between First and Second Sts. . . . .	95.50 Sq. Yds. at 1.25 . . . .	119.37

Court St. at entrance to City Stables	97.78 Sq. Yds. at 1.25 . . . .	122.22
Fern St. East side . . . . .	99.16 Sq. Yds. at 1.25 . . . .	123.95
Fern St. West side . . . . .	430.06 Sq. Yds at 1.25 . . . .	537.57
High St. East side . . . . .	57.87 Sq. Yds. at 1.25 . . . .	72.33
High St. West side . . . . .	106.94 Sq. Yds at 1.25 . . . .	133.67
Lincoln St. S. W. side . . . . .	48.61 Sq. Yds. at 1.25 . . . .	60.76
Main St. S. E. side near Cedar St .	163.80 Sq. Yds. at 1.25 . . . .	204.75
Norfolk St. East side . . . . .	29.00 Sq. Yds. at 1.25 . . . .	36.25
Pine St. East side between State and Penobscot Sts. . . . .	141.91 Sq. Yds at 1.25 . . . .	177.38
State St. N. side at Fern St. . . . .	10.78 Sq. Yds. at 1.25 . . . .	13.47
State St. at Fire Station 5 . . . . .	64.79 Sq. Yds. at 1.50 . . . .	97.15
Stillwater Ave. North side between Essex and Grove Sts. . . . .	86.75 Sq. Yds. at 1.25 . . . .	108.43
Union St. N. E. side near Main St.	46.96 Sq. Yds. at 1.25 . . . .	58.70
Union St. S. W. side between First and Second Sts. . . . .	219.43 Sq. Yds. at 1.25 . . . .	274.28
Union St. N. E. side near Jackson St. . . . .	150.09 Sq. Yds. at 1.25 . . . .	187.61
Total . . . . .	2,126.89 Sq. Yds.	\$2,512.49

## SIDEWALKS RE-COATED

Cedar St. S. W. side between First and Second Sts. . . . .	128.46 Sq. Yds at \$1.00 . . . .	\$128.46
Fern St. West side . . . . .	476.26 Sq. Yds. at 1.00 . . . .	476.26
First St. N. W. side near Cedar St .	13.07 Sq. Yds. at 1.00 . . . .	13.07
First St. E. side between Davis and Barker Sts. . . . .	132.17 Sq. Yds. at 1.00 . . . .	132.17
Seventh St. between Hammond and Pier St. . . . .	174.23 Sq. Yds. at 1.00 . . . .	174.23
Total . . . . .	924.19 Sq. Yds.	\$924.19

## CROSSWALKS

Across Poplar St. at Leighton St.....25.64 sq. yds.....\$38.48

## STREETS RE-CONSTRUCTED

The following streets have been scarified and rolled by the steam roller:

Broadway, Penobscot St. to Cumberland St.

Cedar St., First St. to Second St.

Court St., above Clark St.

Essex St., State to Stillwater Ave.

Elm St., Garland St. to Somerset St.

Forest Ave., State St. to Somerset St.

French St., above State St.

First St.

Garland St.

Jefferson St.

Main St., City Farm to Town Line.

Park St. Hill.

Penobscot St.

Pier St.

Somerset St., French St. to Pine St.

State St. near Red Bridge.

South Park Street.

Sixth St., Williams to Pier St.

Washington St., Pine St. to Hancock St.

Williams St.

York St., Exchange St. to Newbury St.

The new steam pressure scarifier which was added to the equipment of the department this past summer was used with much success and enabled us to do a great deal more reconstruction work.

### PERMANENT ROAD MAINTAINED

The Macadam road on Main Street below Davis Street and a short piece on Broadway between State and Penobscot Streets, together with Hammond Street cement road above West Broadway, was thoroughly gone over and all holes patched, later these roads were given a coat of Asphalt Binder A. and a covering of pea stone, thereby putting them in first class condition and giving them an excellent wearing surface. A total of 9,717 gallons of Asphalt Binder A. was used in this work.

Hammond street from the end of the car line to Hermon line was resurfaced, machined and re-shaped and put in good condition; later this road was treated with a coat of oil which was greatly appreciated on this much traveled thoroughfare.

### PATROL SYSTEM

During the past year we have patrolled one section, or eight miles, under the supervision of the State Highway Commission which has proved very satisfactory. I earnestly recommend that our outside roads comprising of about fifty miles, be placed under permanent patrol, making seven districts of about seven miles each, having one man and pair of horses in daily use on each section. The cost will be about two hundred dollars (\$200.00) more on each section than our present expenditure, or \$1,400.00 more on the seven districts, the results will be very satisfactory, I am sure.

### SUBURBAN AGENTS

A great deal of work has been done on the suburban roads by our agents, over 3,000 yards of gravel being used by them in

their work. The following will show the cost of both summer and winter work.

	Snow and Ice Removal	All Other
Bell, Ruel.....	\$91.00.....	
Babcock, J. H.....	501.00.....	\$ 726.00
Blaisdell, H. P.....	143.50.....	492.45
Chandler, A. J.....	161.92.....	85.50
Cort, Fred.....	168.69.....	586.15
Dysart, E.....		24.00
Eveleth, Ralph.....	193.33.....	437.25
Fuller, F. R.....		185.72
Hathorn, Guy.....	3.33.....	69.00
Lewis E. H.....	124.00.....	434.00
Lewis, H. P.....		157.50
Morison, A. D.....	218.87.....	286.87
Richards, W. F.....		605.04
Sanford, C. C.....	88.50.....	109.50
Sanford, A. G.....		27.75
Smith, E. C.....	126.00.....	16.50
Wilson, H. O.....	497.95.....	321.63
Allen, E.....		2.00
Frost, H. I.....	198.59.....	783.75
Garland, C. A.....		9.67
	<hr/>	<hr/>
	\$2,516.68	\$5,360.28

### CEMENT ROAD WORK

The old cement road on Hammond street from Park Crossing to upper line of West Broadway was taken up and re-laid with a new one; the material taken from excavation for base work for foundation of new road was hauled to various streets and used to good advantage. Tile drain was put in on both sides of this road to insure proper drainage.

Length of road.....	945.7 ft.
Width of road.....	31. ft.
Yds. of Concrete.....	3,261.58
Cost per yd.....	1.9451
Cost of Cement work.....	6,373.59
Cost of Base and Tile work.....	2,770.64
Total cost of Road.....	9,144.23

It is the plan of the State Highway Commission to extend this road to Fifth street the coming summer and to put in a similar road from Forest Ave. to Pearl Street, also on the south-erly side of Main street from May Street to Davis Street. We earnestly recommend a liberal appropriation be given in order that we may co-operate with the State Highway Department in our joint fund.

The cement retaining wall and curb at the foot of Hammond Street in front of the Merrill Trust Building and Catell Block has been put in during the past summer in connection with the granite paving construction on cement base. The blocks have been received and this work will be completed during the coming season.

### SPRINKLING AND OILING

The sprinkling was done this season by the Street Department crew, horses being kept for this purpose at the City Stables. The sprinkling district was divided in fifteen sections as in the year previous. On August first after oiling, two sprinklers were taken off for the balance of the season which made a saving on the sprinkling by water of about \$300.00. The total cost of sprinkling was \$7,849.92 against \$10,939.84 for last season, showing a saving of about \$3,000.00.



The department used 25,620 gallons of road oil, of this amount 11,000 gallons was put on and paid for out of the joint State fund. The following streets were oiled:

Essex St., from State to Stillwater Ave.  
Broadway from State to Somerset St. on east side.  
Broadway from State to Garland St. on west side.  
Center St., from Harlow to Prospect St.  
Main St., from City Farm to Town Line.  
Penobscot St., from French St. to Broadway.  
Somerset St., from French to Essex St.  
State St., from Exchange to 100 ft. above Pine St.  
State St., from Otis St. to Red Bridge.

The following streets were oiled under the joint State fund:  
Hammond St., from Norway Road to Hermon Line.  
State St., from Red Bridge to Veazie Line.

The total cost of oiling was \$1,961.37, making a total cost of sprinkling and oiling of \$9,811.29.

### SNOW AND ICE REMOVAL

The past winter has been a very severe one not only for the men and horses of our department, but for the public as well. The unusual heavy fall of snow made it very slow clearing out sidewalks and streets, as well as expensive and will require an additional appropriation for snow and ice removal during the coming season. The plows were out twenty-nine times. During the winter a total of 1,267 loads of sand was used in sanding the walks. The total cost of snow and ice removal was \$12,824.29.

We wish to take this opportunity to thank the Chamber of Commerce for their co-operation in our call for volunteers for the removal of snow from our streets and sidewalks; we wish

also to express our appreciation for the assistance rendered by the R. O. T. C. of the Bangor High School and the many business concerns and their employees.

### CONCLUSION

In closing I wish to thank the Mayor, Committee on Streets, City Government, and members of the Street Department for their assistance and co-operation rendered at all times.

Respectfully submitted,

John P. Webster,

Street Commissioner.

## Report of the City Undertaker

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*To the City Council:*

The undersigned would respectfully submit the following report for the year ending March 1, 1920:

### PROTESTANTS

Died in March, 1919.....	55
April, 1919.....	30
May, 1919.....	35
June, 1919.....	31
July, 1919.....	30
August, 1919.....	29
September, 1919.....	27
October, 1919.....	35
November, 1919.....	29
December, 1919.....	39
January, 1920.....	41
February, 1920.....	62
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### AGE

Under 1 year.....	42
Between 1 and 5 years.....	18
5 and 10 years.....	10
10 and 20 years.....	13
20 and 30 years.....	32

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Between 30 and 40 years.....	40
40 and 50 years.....	39
50 and 60 years.....	56
60 and 70 years.....	73
70 and 80 years.....	75
80 and 90 years.....	41
Over 90 years.....	4

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Brought to Bangor for interment.....	105
Carried out of Bangor for interment.....	221
Interments at Mt. Hope Cemetery.....	297
Interments at Pine Grove Cemetery.....	12
Interments at Oak Grove Cemetery.....	15
Interments at Maple Grove Cemetery.....	3

## DISEASES

Accident.....	3
Appendicitis.....	1
Arterio Sclorosis.....	9
Anaemia.....	2
Abscess.....	3
Angina Pectoris.....	4
Asthma.....	3
Apoplexy.....	10
Brain.....	3
Brights disease.....	2
Bronchitis.....	2
Burns.....	3
Cancer.....	18
Hemorrhage.....	21
Convulsions.....	1
Crystitis.....	1
Carcinoma.....	8
Diabetis.....	6

Drowning.....	3
Dysentry.....	2
Endocarditis.....	7
Erysipelas.....	1
Embolism.....	10
Exhaustion.....	7
Enteritis.....	3
Electrocution.....	1
Gangrene.....	3
Gastritis.....	1
Heart.....	31
Influenza.....	4
Indigestion.....	1
Intestinal Obstruction.....	3
Meningitis.....	9
Myocarditis.....	15
Malnutrition.....	5
Marasmus.....	2
Nephritis.....	36
Old age.....	3
Oedema.....	4
Pneumonia.....	53
Premature birth.....	7
Peritonitis.....	9
Poisoning.....	2
Paralysis.....	4
Pleurisy.....	1
Stillborn.....	12
Septicimia.....	2
Suicide.....	7
Senility.....	3
Shock.....	7
Sarcoma.....	2
Typhoid fever.....	4
Thrombosis.....	9
Tuberculosis.....	23
Tumor.....	2

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Ulcer .....	4
Uremia.....	3
Other causes.....	38
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Respectfully submitted

R. E. Hathorn,

Supt. of Burials.

## Report of the City Engineer

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Bangor, Maine, March 1, 1920.

*To His Honor, the Mayor and City Council:—*

The City Engineer herewith submits his annual report for the year ending February 29th, 1920. In this department the following work has been executed:

### STREET LINES

Street lines and grades have been surveyed and determined during the year at the request of the Street Department, Water Department, and when needed by property owners, for use in highway construction, improvement and repairs, building and fence lines as follows:

Broadway	Center Street
Cedar Street	Cumberland Street
Dayton Street	East Street
Elm Street	Fifth Street
Forest Avenue	Fourteenth Street
Fremont Street	French Street
Garland Street	Harthorn Avenue
Hancock Street	Hammond Street
Jessie Street	Jordan Road
Larkin Street	Lincoln Street
May Street	Mt. Hope Avenue
North Street	Ohio Street

Patten Street  
 Pleasant Street  
 Seventh Street  
 Somerset Street  
 Summer Street  
 Tyler Avenue  
 Webster Avenue  
 Wing Street

Pine Street  
 Poplar Street  
 Sixteenth Street  
 State Street  
 Thirteenth Street  
 Valley Avenue  
 West Broadway

### STREET GRADES

Allen Street  
 Cumberland Street  
 French Street  
 Forest Avenue  
 Hammond Street  
 Leighton Street  
 Mt. Hope Avenue  
 Royal Road  
 Summer Street  
 Union Street

Center Street  
 Essex Street  
 Fern Street  
 Garland Street  
 Larkin Street  
 May Street  
 Pine Street  
 State Street  
 Thirteenth Street

### TAR CONCRETE WALKS

Measurements have been made, certificates issued for payment and reports submitted on tar concrete walks during the year as follows:

### NEW SIDEWALKS

	Sq. yds.
Poplar Street, northerly side . . . . .	207.29
Larkin Street, northeasterly side . . . . .	380.60
Larkin Street, southwesterly side . . . . .	157.50
Sanford Street, northwesterly side . . . . .	53.45
Somerset Street, southerly side . . . . .	116.95
Webster Avenue, North, northwesterly side . . . . .	266.01
	<hr/>
	1181.80



## SIDEWALKS RECONSTRUCTED

	Sq. yds.
Center Street, W. side . . . . .	147.78
Central Street Bridge, S. side . . . . .	58.89
Central Street Bridge, N. side . . . . .	70.89
Cedar Street, N. E. side, between First and Second Street . . . . .	95.50
Court Street, at entrance to City Stables . . . . .	97.78
Fern Street, E. side . . . . .	99.16
Fern Street, W. side . . . . .	430.06
High Street, E. side . . . . .	57.87
High Street, W. side . . . . .	106.94
Lincoln Street, S. W. side . . . . .	48.61
Main Street, S. E. side, near Cedar . . . . .	163.80
Norfolk Street, E. side . . . . .	29.00
Pine Street, E. side, between State and Penobscot Street . . . . .	41.91
State Street, N. side at Fern . . . . .	10.78
State Street, at Fire Station 5 . . . . .	64.79
Stillwater Ave., N. side, between Essex and Grove Street . . . . .	86.75
Union Street, N. E. side near Main . . . . .	46.96
Union Street, S. W. side, between First and Second Street . . . . .	219.43
Union Street, N. E. side, near Jackson . . . . .	150.09
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	2126.89

## SIDEWALKS RECOATED

	Sq. yds.
Cedar Street, S. W. side, between First and Second Street . . . . .	128.46
Fern Street, W. side . . . . .	476.26
First Street, N. W. side near Cedar Street . . . . .	13.07
First Street, E. side, between Davis and Barker Street . . . . .	132.17
Seventh Street, N. W. side, between Hammond and Pier Street . . . . .	174.23
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	924.19

## CROSSWALKS

	Sq. yds.
Across Poplar Street at Leighton Street . . . . .	25.64

## LAYING OUT OF STREETS AND GRADES

Proceedings were held on the laying out and grade of Mt. Hope Avenue, Maple Street and the widening of Central Street.

## STREET NUMBERING

The total number of buildings numbered during the year has been 60 and the total of numbers issued has been 76. A new house number plan was made for Maple Street Extension.

## STREET OPENINGS

51 permits have been issued for street openings from March 1, 1919, to February 29, 1920, and the amount \$249.87 has been paid to the City Treasurer for the same.

## SEWER SURVEYS

Surveys, plans and profiles were made and reports submitted for the following sewers during the past season:

Buck Street, from Barkerville trunk sewer to Webster Ave.  
Pleasant View Street.  
Maple Street, north of Mt. Hope Ave.  
Broadway, between State and Penobscot Street.  
Royal Road, survey for reconstruction.  
Hancock Street.  
May Street  
French Street

All new construction and property assessments have been duly recorded in the plan books of the department. The two large sewer maps have also been brought up to date.

## STREET AND TRAFFIC SIGNS

168 new enameled metal street signs were purchased by the department and placed during the year.

18 new "School Go Slow" signs were placed near various schools.

4 "No Stopping Here" signs were purchased to be used in regulating traffic.

## STREET SPRINKLING

Street sprinkling by the City was done by the Highway department.

Total cost of sprinkling . . . . .	\$9,811.29
Assessments levied against property benefitted . . . . .	8,304.90
Number of streets sprinkled . . . . .	133
Total number of miles sprinkled . . . . .	31.75
Average cost per mile . . . . .	309.05
Average cost per linear foot . . . . .	.0577

## ROAD OILING AND RESURFACING

The past season the Highway Department purchased 14,620 gallons of Standard Oil Company's Asphaltic Oil, No. 6, and 9,717 gallons Standard Oil Company's Asphaltic Binder A and applied the same to the following streets with excellent results.

	Length in feet	Sq. Yds.
State St., from Otis St., to Red Bridge . . . . .	7,746	21626.43
State St., from Exchange St., to 100 feet easterly of Pine St. . . . .	880	3213.66
Essex St., from State St., to Stillwater Ave. . . . .	3,390	9020.00
Center St., from Harlow St., to Prospect St. . . . .	600	1500.00
Main St., from car barn to Hampden line . . . . .	2,180	5086.77

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Broadway, easterly roadway State St. to Somerset St. ....	940	2047.00
Broadway, westerly roadway State St. to Garland St. ....	1,870	5402.22
Penobscot St., French St. to Broadway .....	300	733.33
Somerset St., French St. to Essex St. ....	740	2343.33
Graham Ave., from Boutelle Road to Royal Road. . .	250	1100.00
Total. ....	18,896	52,072.74
Total cost of oiling. ....	\$1,961.37	
Average cost per s q. yd. ....	.0376	

The following pavements were resurfaced this past season using Standard Oil Company's Binder A and Pea stone:

	Sq. yds.
Hammond Street, West Broadway to Norway Road. ....	9,426
Main St., between Davis St. and car barn. ....	20,600
Broadway, westerly roadway between State and Penobscot Sts..	1,055
Total square yards resurfaced. ....	31,081
Cost estimated at \$.07 per square yard.	

## HAMMOND STREET STATE AID ROAD

Hammond Street between West Broadway and Park Crossing was re-paved during the past season with cement concrete. This work was done by the city highway department which furnished the necessary labor, teams and materials, the work being done under the direction of the State Highway Commission and this department.

This pavement consists of cement concrete slab seven inches in thickness near the car track and six inches in thickness on the outside. The concrete consisted of one part cement, two parts

sand, three parts gravel or crushed rock. Under the pavement was laid a gravel foundation about eight inches in depth. Tile drains were placed in the gutters the entire length of the road especially to take care of the ground water and were found to be very satisfactory. The pavement was laid in three sections. The section occupied by the track of the railway company is separated from the city sections by one-quarter inch expansion joints and if found in the future, that it is necessary to make repairs to railway tracks or right of way, the same can be done without disturbing that portion of the pavement outside of the railway location. The surfacing and finishing of this pavement was done by using a Macom Cement Concrete Roller and a strip of ordinary mill belting and was found to produce a very smooth and even finish giving far better results and being considerably cheaper than the old method of hand floating.

### SUMMARY

Length.....	945.7 feet
Width, including street railway right of way.....	31 feet
Concrete, City of Bangor.....	2,420.96 sq. yds.
Concrete, Bangor Railway & Electric Co.....	840.62 sq. yds.
Total.....	3,261.58 sq. yds.
Cement.....	936 $\frac{1}{4}$ barrels
Tile drain.....	1,845 lineal ft.
Gravel, in pavement, base and tile drain.....	955 cu. yds.
Total cost.....	\$9,144.23

### FINANCIAL STATEMENT

	City	State
1916 balances to 1917.....	\$1,126.00	\$2,640.76
1917 appropriation, Sec. 18, 20.....	4,259.00	3,194.25

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1917 appropriation, Sec. 21 .....	1,205.61	1,130.26
1918 appropriation, Sec. 18 and 20 .....	4,259.00	4,259.00
1918 appropriation, Sec. 21 .....	6,941.00	8,676.25
1919 appropriation, Sec. 18 .....	4,392.00	
1919 appropriation, Sec. 20 .....		4,392.00
1919 appropriation, Sec. 21 .....	1,906.72	2,383.40

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 \$24,089.33 \$26,675.92

 Total State and City ..... \$50,765.55 |
 Disbursements ..... 40,346.55 |

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 Balance available for state aid work, 1920 \$10,418.70

### MISCELLANEOUS SURVEYS, PLANS, ESTIMATES AND SPECIFICATIONS

Specifications for granite paving blocks to be purchased by the Highway Department.

Survey and plan of Main and Hammond streets for proposed paving.

Survey and plan of State street from Forest Avenue to Birch street for proposed State Aid Road.

Survey and plan of Center street for highway improvements.

Cross section survey at Bass Park for proposed athletic field.

Measurement of Broadway from Earle Avenue to Kenduskeag Avenue for Street Commissioner.

Survey, measurements, estimate and report, granite paved gutter on Forest Avenue between State and Somerset streets.

Placing bumper strips for auto parking in Post Office Square.

Staking lots in Public Grounds, Mt. Hope Cemetery.

Staking lots at Finson Road Cemetery.

Description of Lawson lot on New street in rear of High School.

Building lines and levels at Thirteenth street School Building.

Census of traffic passing intersection of Main, Hammond and Central streets.

Staking baseball diamond at Bass Park.

Staking football field at Bass Park.

Levels at waterworks for Water Department.

Plan of conduit laid by Electrical Department in Main and Hammond streets.

Survey of Churchill gravel bank on Kenduskeag stream near Merrill's Mills Bridge.

Survey of Ward lines between Wards 2 and 3 and between 5 and 6.

Plan of City Hall floor for Bangor Poultry Association.

## BRIDGES

The expenditures for this department have been for necessary repairs and maintenance of the bridges crossing Penobscot River and Kenduskeag Stream and several small bridges.

### BANGOR AND BREWER BRIDGE

The Bangor and Brewer Bridge has received considerable attention. The planking in the footwalk on the mid-river span being renewed. It was found necessary to place new floor timbers under the walk on this span, hard pine being used for this purpose. Where found necessary all planking on the footwalk to the remaining spans of the bridge were repaired.

The two pony spans crossing over the Maine Central Railroad yard were thoroughly cleaned and painted. Owing to the gases, etc., from the locomotives which pass under these spans,

it is necessary that the same be thoroughly cleaned and painted at least every two years.

The flooring on the roadway on this bridge consists of wood block laid on three inch creosoted hard pine plank and is now in very good condition. The floor is level and owing to the unevenness in wear, water stands during rainstorms in quite large pools over a great portion of the bridge. To overcome this we placed, during the summer, twenty-five additional scuppers which improves the condition very much during wet weather.

The piers and abutments are in a good state of preservation. Several examinations were made during the summer to determine the condition of the cement concrete reinforcement placed around the river piers in 1911, and I find the concrete to be in good state of preservation finding no places where the concrete has deteriorated to any great extent by reason of wear naturally caused by ice, river debris, etc.

Owing to the heavy fall of snow in February, it was found necessary to remove the snow from the bridge on several occasions.

Expenditures of this bridge include the pay of the patrolman who has assisted in keeping the bridge clean as well as maintaining good order.

### MAINE CENTRAL RAILROAD FOOTWALK

The floor on this walk is maintained by the City of Bangor. Repairs were made during the past season where found necessary. It will be necessary during this coming season to replace a greater portion of the plank on this walk.



### KENDUSKEAG BRIDGE

This bridge is in good condition. The steel and iron work were thoroughly cleaned and painted during the past season and in all probabilities will not need much consideration during the coming year.

### CENTRAL STREET BRIDGE

This bridge was constructed of timber in 1911 and at the time was considered a temporary structure. Considerable attention is given this bridge most every year and during the past season it was necessary to renew the planking on the footwalk. A new tar concrete walk was placed on the abutment between the two spans of this bridge and is a decided improvement over the old gravel walk.

The portion of the bridge occupied by the tracks of the Bangor Railway & Electric Company is of steel construction and is permanent.

During the past year that portion of the bridge southerly of the car tracks crossing the easterly channel has settled about an inch, due to decay and is confined principally to the general floor system. It will be necessary this coming year to insure the safety of the public by replacing the timber portion of Central Street Bridge with a more permanent structure, which structure should be of steel to conform to the permanent steel structure built by the Bangor Railway & Electric Company.

### FRANKLIN STREET BRIDGE

This bridge is in good condition, the iron railing being cleaned and painted during the past year. The top of the up-river end of the pier was surfaced with a coating of tar concrete the pur-

pose being to prevent water getting into the joints, etc., which might cause damage by successive thawing and freezing of water if allowed to seek its way into the pier from the top surface.

### MORSE'S MILLS BRIDGE

This bridge received considerable attention, the floor being completely renewed with the addition of several new floor timbers. Several additional windows were cut through the housing of this bridge improving the lighting and ventilation and considerably reducing the dust nuisance.

### SALT MILLS BRIDGE

The paving on the approaches to this bridge was relaid so as to give better drainage. Several windows were also cut through the housing with the same results as occurred on the Morse's Mills Bridge. The inside of the bridge was thoroughly washed with water and then given a coating of whitewash. It will be necessary this coming year to replank this bridge and also make some repairs to the southerly abutment.

### MERRILL'S MILLS BRIDGE

This bridge commonly known as Bullseye is in very poor condition, especially to meet the increased weight of vehicular travel which is considerable. Practically all of the gravel hauled from Mosquito Mountain to the westerly side of the city passes over it besides considerable ice which is hauled from the ice houses situated along the Kenduskeag Stream above the bridge. This bridge is constructed of timber and was reconstructed in 1903.

The wooden arch which was introduced previous to 1903 to assist the truss in carrying the load which the bridge is subject

to has somewhat decayed at its bearing on the foundation and is a source of weakness rather than strength in its present condition and it is practically impossible to repair this bridge in its present form and condition with timber to carry the loads which it is subject to. Consequently a new bridge of more permanent nature will have to be constructed this coming season or all heavy traffic be prohibited from using the same.

### PUSHAW ROAD BRIDGE

This bridge is of timber construction and received considerable attention two years ago, so the expense and upkeep this past year has been small. The bridge in its present condition is safe for light travel.

Freshets with ice conditions are a great menace to this bridge owing to the fact that a short distance down the stream from the bridge the ice jams and makes a dam causing the water to back up the stream on freshet pitch which gives very little clearance between the water and the superstructure of the bridge. This trouble can be easily remedied when a new bridge is constructed at this point by setting the same at least five feet higher than the present structure.

### SIX MILES FALLS BRIDGE

This bridge collapsed April 12, 1918, while a freight train of the Bangor Railway & Electric Company was crossing the same. The railway company immediately placed a temporary structure there and is planning to replace this temporary structure with steel of the girder type strong enough to carry their traffic, such construction being satisfactory to carry heavy highway traffic. The maintenance of this bridge is taken care of by the

Bangor Railway & Electric Company except the flooring which has been maintained by the city, the division of maintenance being as per agreement between the Penobscot Central Railway Company and the city.

### FINSON ROAD BRIDGE

During the past season it was found necessary to construct a new bridge on the Finson Road. This bridge crosses a brook about one-half a mile southeasterly of the junction of the Finson Road on the Six Miles Falls Road. The type of construction used was timber and steel with a simple truss, the loading capacity being figured at fifteen tons, the span between abutments being about twenty feet. The timber was thoroughly treated with creosote oil wood preservative and coal tar and with proper care the life of this bridge is estimated to be about twenty-five years. New guard rails were placed on the approaches to this bridge as there is a high embankment forty or fifty feet in length at each end of the bridge.

### OHIO STREET BRIDGE

The floor system of the Ohio Street Bridge was renewed. New Douglass Fir floor beams with steel eyebeams were used as the travel over this road is very heavy. The flooring used was Hemlock. New guard rails were constructed at this bridge.

The following bridges have received more or less attention and are in good condition: Red Bridge, State Street; Mount Hope Avenue Bridge; Stillwater Avenue Bridge; Union Street Bridge; Hammond Street Bridge; Parker Brook Bridge; Six Miles Falls Road; Odlin Road Bridge.

## FINANCIAL STATEMENT

Appropriation bridges.....	\$9,500.00
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## EXPENDITURES

General.....	\$1,429.29	
Bangor and Brewer bridge.....	3,303.53	
Salt Mills bridge.....	328.03	
Kenduskeag bridge.....	462.45	
Stillwater Avenue bridge.....	24.58	
M. C. R. R. walk.....	23.52	
Odlin Road culvert.....	186.42	
Central Street bridge.....	476.71	
Red Bridge, State St.....	30.36	
Morse's Mills bridge.....	1,129.46	
Franklin St bridge.....	128.10	
Mt. Hope Ave. bridge.....	11.98	
Parker Brook bridge.....	160.91	
Finson Road bridge.....	963.90	
Ohio Street culvert.....	453.81	
Hogan Road bridge.....	3.00	
Pushaw Road bridge.....	8.55	
Six Miles Falls bridge.....	3.30	
Painting High School fence.....	2.32	
		<hr/> \$9,130.22

## FINANCIAL STATEMENT

Appropriation: Engineering salary.....	\$3,883.24	
Appropriation: Engineering expense.....	891.95	
		<hr/> \$4,775.19

## EXPENDITURES

Engineering salary.....	\$3,883.24
Engineering Expense, General Account.....	364.41

Engineering Expense, Street Signs.....	314.99	
Engineering Expense, Traffic Regulation.....	212.55	
		<hr/> \$4,775.19

### RECOMMENDATIONS

As stated elsewhere in this report Central Street Bridge is of timber construction and is not adequate to take care of the present heavy traffic. Therefore, I recommend that steps be taken the coming season to replace the same with a permanent bridge of steel construction.

Merrill's Mills Bridge, commonly known as Bullseye Bridge, is subject to extremely heavy traffic and at present is not safe for heavy traffic such as the bridge will be subjected to during the summer season by reason of gravel and ice which is hauled over the same by auto trucks. I would recommend that this bridge be reconstructed, either of structural steel or reinforced concrete.

For a schedule of property belonging to the City Engineer's office and the Bridge Department, see report on file in City Engineer's office.

Respectfully submitted,

David J. Nason,

City Engineer.

## Report of the City Missionary

*To His Honor, the Mayor, and the Members of the City Council:*  
Gentlemen:

The City Missionary herewith submits her annual report for the fiscal year ending February 29, 1920.

### APPROPRIATIONS

Stetson Fund.....	\$600.00
Hiram Oliver Fund.....	100.00
Fogg Fund.....	50.00
Dance.....	200.00
Gifts.....	128.00
Unclassified.....	79.65
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Total Appropriations.....	\$1,157.65

### EXPENDITURES

Clothing, Boots and Shoes.....	\$377.74
Rent.....	48.00
Coal and Wood.....	153.01
Groceries and Provisions.....	199.23
Hospital charges and Medicine.....	30.46
Office Supplies.....	10.65
Transportation.....	80.30
Gifts at Christmas and other times.....	68.00
Salary and Distribution.....	181.86
Miscellaneous.....	8.40
<hr/>	
Total expenditures.....	\$1,157.65

Owing to the high cost of living and the severe winter there were a great many families unable to get along without a little help. Some families were in need of fuel and groceries in times of sickness, others needed warm clothing or medicine. Five hundred and sixty-one families were assisted in this way.

Thirty-two wayward girls have been placed in homes and schools where they will receive proper training. Six families were sent out of town where relatives will help them until they become self supporting. I have had a great many cases where people traveling were stranded in this city and I have furnished transportation or a little money to assist them until they could reach their relatives or their destination, sometimes I could find work for them so that they could pay their own expenses.

In conclusion I wish to express my appreciation to all who helped make my Charity Ball such a success, to the Mayor for his co-operation at all times and all who have assisted me and made this past year a success. I wish to thank the merchants and individuals for their gifts to help the work along.

Respectfully submitted,

Jennie M. Johnson.

City Missionary.



## Report of the Charity Department

*To His Honor, the Mayor, and the City Council:*

Gentlemen:

We herewith submit our annual report for the fiscal year ending February 29, 1920.

Annual Appropriation.....	\$28,600.00
Additional Appropriation.....	3,600.13
Total Appropriation.....	\$32,200.13

### TOTAL LIST OF EXPENDITURES

General Administration.....	\$1,464.44
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### ALMSHOUSE

Salaries and Wages.....	\$7,751.54
Groceries and Provisions.....	4,017.73
Fuel.....	3,963.26
Dry Goods and Clothing.....	1,070.35
Grain and Feed.....	1,012.72
Hospital Supplies and Medicine.....	502.47
Boots and Shoes.....	152.28
Veterinary and Medicine.....	261.58
Pipes and Tobacco.....	218.43
Household Supplies.....	751.28
Material and Repairs.....	445.40
All other.....	538.29
Seed.....	459.34
Fertilizer.....	80.91

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## CITY OF BANGOR

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Equipment.....	264.03	
Insurance.....	113.21	
Stock.....	165.00	
Disinfectants.....	1.60	
	<hr/>	\$21,769.42

## OUTSIDE RELIEF

Groceries.....	\$2,934.08	
Fuel.....	1,608.00	
Dry Goods and Clothing.....	601.05	
Medical Attention.....	457.33	
Board.....	1,814.55	
Rent.....	443.00	
Transportation.....	118.04	
Burial.....	560.00	
All other.....	216.65	
	<hr/>	\$8,752.70
Relief Given by other Cities and Towns.....		195.20
Other Expense.....		\$18.37
		<hr/>
Total Amount Expended.....		\$32,200.13

We have helped ninety-four families in their own homes with groceries, wood and clothing. We have several children that are boarded in private homes and we find this very satisfactory, they are visited regularly by the County Agent for Protection of Children. We are also providing for a boy receiving care at Hebron Sanatorium, and one boy who is deaf and dumb is in the school for deaf at Portland.

## ESTIMATED REVENUE

Sale of Products.....		\$3,440.98
Hay, Grain and Straw.....	\$2,559.95	
Live Stock.....	64.00	
Miscellaneous products.....	658.03	

Sundries.....	32.00	
Milk and Cream.....	10.00	
Old Barn.....	117.00	
Total.....		\$3,440.98
Reimbursements From:		
Cities and Towns.....	\$1,214.55	
Individuals.....	268.06	
State of Maine ...	4,764.88	
Total.....		\$6,247.49

In conclusion, we wish to thank the Mayor, the Committee on our Department, the City Missionary and City Physician for their hearty co-operation at all times during the past year.

Respectfully submitted,

Daniel W. Maxfield,  
N. A. Kenney,  
John J. Flynn,  
Overseers of the Poor.

Lewis E. Klatt,  
Superintendent of Almshouse.

## Report of the City Electrician

*To His Honor the Mayor and City Council of Bangor:*

Gentlemen:

The City Electrician herewith submits his annual report for the year ending February 29, 1920:

Appropriation.....	\$30,500.00	
Expenditures.....	29,861.18	
Balance.....		\$638.82
The cost of Maintenance has been as follows:		
Salaries and Wages.....	\$16,650.36	
Fire Alarm.....	3,776.95	
Police Signals.....	7.10	
Team Equipment.....	267.99	
Inside Wiring.....	197.10	
Line Maintenance.....	1,764.71	
Power Station.....	1,133.18	
Sub Station.....	278.97	
Coal and Wood.....	896.37	
Lamps, street series.....	1,413.54	
Lamps in buildings.....	88.57	
Arc Lamps.....	871.76	
Miscellaneous.....	88.02	
Auto Maintenance.....	651.87	
Under Ground Construction.....	1,090.74	
Compensation Insurance.....	541.05	
Flash Boards.....	142.90	
		\$29,861.18

## POWER STATION

This branch of the department has given very little trouble in the past year.

Last Summer I put a foot flash board on the dam, which has paid for itself ten times and more, for owing to the extreme low water this winter without it our water power would have been very near useless.

There is quite a lot of work to do on the water wheels this coming season, all material for this work is on hand.

In order to do this work, so as not to interfere with the Water Department the Electric department should install a set of gates in front of the arches to the wheel pits. These gates would cost about two thousand dollars.

## SUB-STATION

All apparatus at Sub-Station is in good repair.

We have delivered from the busses at Sub-Station, for street lights and lights in different buildings, 1,482,070 Kilo-Watt hours for the past year ending March first.

The wooden building attached to the Sub-Station known as Ward 1 needs painting very much.

## FIRE ALARM

This department has required a lot of work in the past year, and there is a lot to do this year.

I have on hand a mile of 24 Conductor Cable for fire alarm and police circuits, also six under ground junction boxes, which will be installed this season. This will make a great improvement in the system, as the present under ground system is in very bad shape. Another improvement to the system, is ring-

ing the call men's tappers from a transformer at a potential of 220 Volts. There has been one new box of the latest type installed at Leighton and Poplar Streets, No. 623.

I have on hand a list of recommendations made after a careful inspection of alarm system at York Street station by Mr. Geo. C. Germond Engineer for the Gamewell Fire Tel. Co.

No. 1. His recommendations are for a 12 circuit protector board, the purpose of this board is to protect the central station apparatus. Price of board \$1,565.00 f. o. b.

No. 2. Also that the present plain Sector and Gardiner fire alarm boxes be changed to The Peerless Positive Non-Interfering Succession box. This box is entirely foolproof.

No. 3. That the present 6 circuit automatic repeater be replaced by a 10 circuit repeater of latest type. The present repeater having done duty for a great many years and now shows signs of wear which is liable to interfere with its proper operation. Price of new repeater \$3,450.00 f. o. b.

No. 4 That the present 6 circuit switchboard be replaced by a 10 circuit Automatic Storage Battery switchboard of latest design. Price of board \$1,925.00 f. o. b.

While these recommendations call for a big expenditure, if done all at once, but by doing part this year and a little each year, so that in the course of two or three years the work is done and no great expense incurred. And I believe that this work should be done for without an alarm system operating correct your Fire Department is at loss.

### POLICE SIGNAL

There has been no extensions in this system, and outside of the ordinary wear and tear, it has given very little trouble.

## STREET LIGHTS

Lights installed during 1919:

Hammond and Webster Ave. ....	1
Seventh and Wing. ....	1
Lincoln, between Main and Third Street. ....	2
West, Cor. of South St. ....	1
Franklin St. ....	1
Poplar and Center Sts. ....	1
Kenduskeag Ave. ....	9
Hogan Road. ....	3
Ohio Street, beyond car line. ....	1
State Street, at E. M. General Hospital. ....	1
Hammond Street, West of Columbia St. ....	1
Dutton St. ....	1
Total. ....	23

## UNDER GROUND CONSTRUCTION

Cost of laying 4758 duct feet of Fiber duct. ....	\$1,509.99
Cost of Man Holes	
Man Hole No. 1. ....	149.64
Man Hole No. 2. ....	112.78
Man Hole No. 3. ....	116.98
Man Hole No. 4. ....	111.92
	<hr/>
	\$2,050.32
Amount paid by B. R. & E. Co. ....	1,007.75
Amount paid by City Electrical Dept. ....	1,043.245
2322 ft. duct laid for Br. R. & E. Co. at \$.31736 per duct foot. ....	\$736.90992
2436 ft. duct laid for City Electric Dept. at \$.31736 per duct ft. ....	\$773.08896

This being extra work and not covered by a special appropriation, came out of the regular appropriation.

In closing, I wish to thank His Honor, the Mayor, the City Council, the heads of the different departments, the Bangor Railway and Electric, the Telephone and Telegraph Companies, my Committee and members of my crew.

Respectfully submitted,

M. D. Gallupe,

City Electrician.

March 18, 1920.

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## STOCK AND TOOLS

### Sub-Station

#### LAMPS

1 Westinghouse Flame Arc Lamp	50 Upper Electrodes
3 Magnetite Lamps	1000 Lower Electrodes
114 V. Tungsten Lamps	28 Outer Globes
350-114V Lamps, Carbon	12 6 x 12 R. E. Balls
Repair parts for G. E. Form 3 Arcs.	1 case Inner Globes
Repair parts for Magnetite Arcs	6,000 Carbons ( $9\frac{1}{2}$ x $\frac{1}{2}$ )

#### FIXTURES

2 Series Clusters

#### MOTORS

$2\frac{1}{2}$  H. P. 3 Phase 110 V.

1 H. P. 3 Phase 220 V.

#### INSIDE WIRING MATERIAL

200 ft. Armored Cable	80 Sockets Key
100 ft. R. C. No. 6 Wire	10 Socket Weatherproof
150 ft. Decoration Wire	22 Switch Plates
10—3 Magnet Wire	20 Switch Bases Porcelain



8 Sawyer Mann Cutouts	4 Flush Switches
7 Condulets F. S. L.	3 Switches J. K.
2 Condulets 1½ F. S. L. Tyre A.	25 lb. Solder
1 Electric Lock	20 Taplets Type U
1 Lot of Old Condulets	70 W. P. Entrance Rushings
50 Metal Molding Fittings	12 Insulating Joints
4 Cans Nokorode	12 Insulating Rings
25 Rolls Tare	2 Ground Clamps
2 Hartford Time Switches	3 Cast Iron Junction Boxes
25 Rosettes	½ bbl. Dry Cells

## FIRE ALARM SUPPLIES

28 D. & W. Cutouts	1 Register and Take Up Reel
24 Tappers	1 Turtle Gong
25 Matthews Joints	9 Lightning Arrestors, No. 746 Union
8 Brass Bolts	12 Outer Door Locks
2 Manhole Covers	10 Inner Door Locks
1 Underground F. A. Post	4 Cole Key Guards
1 Underground F. A. Junction Box	1 Mile 24 Conductor Lead Covered Cable
4010 ft. Lead Cable 4 Wire No. 14	
7 Auxiliary F. A. Boxes	

## FUSES

5 Expulsion Fuses	4 Cartridge Fuses, 65 Amp.
100 Cartridge Fuses, 3 Amp.	10 Cartridge Fuses, 175 Amp.
60 Cartridge Fuses, 10 Amp.	5 Cartridge Fuses, 200 Amp.
70 Cartridge Fuses, 15 Amp.	2 Cartridge Fuses, 400 Amp.
100 Cartridge Fuses, 20 Amp.	60-30 Amp. Plug Fuses
90 Cartridge Fuses, 25 Amp.	70 Fuse Plugs Casings
90 Cartridge Fuses, 30 Amp.	25 Glass Tubes
10 Cartridge Fuses, 40 Amp.	100 Fire Alarm Fuses
90 Cartridge Fuses, 50 Amp.	

## LINE MATERIAL

400 No. 6 Weather Proof Wire	1 Post Hole Digger
200 Miles No. 10 Iron W. P. Wire	1 Rake

1 Reel Arc Lamp Cable	1 Pitchfork
10 Series Recept.	1 Barn Shovel
8 Series Sockets	3 Man hole Gates
31 Pole Steps (Iron)	Duct Rods
1 Iron Pole Cross Arm Support	3 Extension Ladders
33 Caps for Iron Poles	2 Clamps
1 bbl. Wood Top Pins	1 Set Stencils
1 bag Wood Pins	1 Drill Attachment
100-six pin Cross Arms	1 Boiler Racket
32 Two pin Cross Arms	1 Hand Saw
1 bbl. Glass Insulators	1 Stilson Wrench
9 Outrigging Braces	1 Nail Puller
8 Guy Anchors	1 Axe
150 Iron Braces	1 Metal Molding Punch
40 Guy Wire Clamps	6 Brick Drills
75 Eye Bolts	1 Anvil and Forge
300 Thro Bolts, 5-8 inches	1 Grindstone
150 Thro Bolts, 7-8 inches	2 Die Stocks
175 Space Bolts	1 Lathe
1 Coil No. 6 Iron Wire	1 Die Set
75 Galv. Iron Brackets	2 Vises
100 Pierce Brackets	1 Pipe Vise
10 Dutton Tree Insulators	1 Bit Brace
2 Transformers, (burnt out junk)	6 Bits
1 Transformer, 25 K. V. A.	1 Mitre Box
1 Transformer, 3 K. V. A.	1 Breast Drill
13 P. & S. Transformer Cutouts	1 Power Drill
19 G. E. Transformer Cutouts	2 Manetoes
40 Arc Lamp Hangers	1 Pipe Cutter
9 Iron Sight Sticks	1 Torch
6 Rock Drills	1 Hand Hammer
1 Dead Man	2 Screw Drivers
3 Pikes	3 Hatchets
3 Tamping Bars	3 Wrenches
1 Tamping Moll	1 Small Steel Bar
2 Scoops	2 Sets Come Alongs
9 Shovels	1 Set Blocks

3 Cant Dogs  
3 Pick Axes  
2 Digging Bars

2 Sets Blocks and Rope  
1 Snatch Block

### STATION EQUIPMENT

2 G. E. Potential Transformers  
2 Westinghouse Current Transformers  
1 Horn Cap Lightning Arrestor  
1 Westinghouse Oil Switch 2 P. D. T.  
1 G. E. Oil Switch 3 P. D. T.  
2 A. C. Lightning Arrestors Type G. E.—F2  
8 A. C. Lightning Arrestors Type G. E.—S.  
8 Porcelain Barriers  
72 Carbons  
1 H. C. Type Alternator and Rheostat  
1 Field Rheostat

1 Westinghouse Graphic Recording Watt Hour Meter  
1 Westinghouse Polyphase Watt Meter Portable  
2 Westinghouse Current Transformers  
2 Thompson A. C. Ammeters O-15 Amp.  
1 Thompson A. C. Ammeter O-200 Amp.  
1 Thompson Wattmeter  
1 Weston D. C. Voltmeter  
1 Weston D. C. & A. C. Voltmeter  
2 Series Rectifier Tubes  
2 pr. Rubber Gloves  
1 pr. Pliers, Insulated Handles

### TEAM EQUIPMENT

1 Horse  
1 Harness  
1 Halter  
2 Blankets  
1 Express Wagon

1 Two Wheel Pole Wagon  
2 Sleds  
2 Carriage Wrenches  
2 Curry Combs  
2 Brushes

### AUTOMOBILE

1 Ford Automobile  
2 Inner Tubes

1 Set Weed Tire Chains  
1 Search Light

### MISCELLANEOUS

3 Bags Pulp Plaster  
1 Faucet  
1 Branding Iron

2 Stable Brooms  
2 Bush Brooms  
2 Brooms

7 Lanterns  
2 Mops  
1 Feather Duster

2 Pails  
50 ft. Garden Hose (new)

## OFFICE

2 Roll Top Desks  
1 Typewriter Desk  
1 L. C. Smith Typewriter  
2 Tables

1 Drafting Table  
6 Chairs  
1 Leather Couch

## STOCK AND TOOLS AT POWER STATION

1 Set Bolt Dies, cuts $\frac{1}{2}$ Inch, $\frac{5}{8}$ Inch	1 14 Inch Wescott Wrench
$\frac{3}{4}$ Inch, $\frac{7}{8}$ Inch, 1 Inch.	1 10 Inch Wescott Wrench
Machine Taps, $2\frac{1}{8}$ Inch, $2\frac{3}{4}$ Inch,	1 8 Inch Wescott Wrench
$3\frac{7}{8}$ Inch, $2\frac{1}{2}$ Inch	2 24 Inch Monkey Wrenches
Twist Drills, 10-38, 12-38, 13-32,	1 12 Inch Monkey Wrench
14-38, 16-38, $\frac{1}{2}$ Inch, $\frac{5}{8}$ Inch,	1 10 Inch Monkey Wrench
13-16 Inch, 29-38 Inch, 1 Inch.	1 1 Inch Fork Wrench
1 pr. 6 Inch Outside Calipers	2 $\frac{7}{8}$ Inch Fork Wrench
1 pr. 6 Inch Inside Calipers	1 $\frac{3}{4}$ Inch Fork Wrench
1 12 Inch Hack Saw Frame	10 Governor Wrenches
1 12 Inch Hack Saw Blade	3 Sockets Wrenches
1 pr. 15 Inch Tin Snips	4 Spanner Wrenches
2 Babbitt Ladles	1 Emery Wheel Tool Grinder
1 Blow Torch	1 Electric Emery Grinder for Col-
2 12 Inch Ratchet Brace	lector Rings
1 Breast Drill	1 Electric Drill Femco No. C
4 $\frac{5}{8}$ Inch Cold Chisels	1 Portable Rest and Tool Holder
1 $1\frac{1}{2}$ lb. Hammer	for Turning Commutator
1 Bench Vise	1 Compline Jack

## WRECKING TOOLS

1 6 Inch Screw Jack	1 4 Ton Chain Hoist
2 24 Inch Hydraulic Jacks	1 $\frac{1}{2}$ Ton Chain Hoist
2 1 Ton Chain Hoists	2 5 ft. Steel Bars
1 2 Ton Chain Hoist	

2 3 ft. Steel Bars	50 ft. $\frac{5}{8}$ Inch Steel Cable
1 Set of Block and Tackle	1 Snow Shovel
50 ft. 1 Inch Rope	1 Lawn Mower
2 $\frac{3}{4}$ Inch Hand Lines	6 Rack Rakes
3 $\frac{1}{2}$ Inch Steel Cable Slings	1 15 ft. Wrecking Boat

## POWER STATION

1 Set Pipe Dies, cuts $\frac{1}{2}$ Inch to 1 Inch	1 4 Pipe Vise
1 Set Pipe Dies, cuts 1 Inch to 2 Inch	1 36 Inch Stilson Wrench
Pipe Taps, $\frac{1}{8}$ Inch, $\frac{3}{4}$ Inch, $\frac{1}{2}$ Inch	2 34 Inch Stilson Wrenches
	2 14 Inch Stilson Wrenches
	2 34 Inch Chain Tongs

## BLACKSMITH TOOLS

1 Forge with Blower	1 14 lb. Hammer
1 7 Inch Hammer	1 18 lb. Hammer

## CARPENTER TOOLS

1 24 Inch Steel Square	1 Expansion Bit
1 pr. 8 Inch Dividers	1 $\frac{7}{8}$ Inch Ship Auger
1 24 Inch Hand Saw	1 1 $\frac{1}{2}$ Inch Wood Chisel
1 Key Hole Saw	1 1 $\frac{1}{2}$ Inch Wood Gauge
2 Bit Braces	1 Hammer
1 Set Wood Braces	

## BOILER TOOLS

2 Coal Shovels	40 ft. 6 Ply Steam Hose
1 Steam Tube Cleaner	50 ft. Garden Hose
1 Weindand Tube Cleaner	1 Boiler Rake
30 ft. Metal Steam Hose	1 Boiler Hoe

## ACCOUNT OF STOCK

1 bbl. Gear Grease	Bon Ami and Soap
$\frac{1}{2}$ bbl. Cylinder Oil	1 Female Step for Water Wheel
1 $\frac{1}{2}$ bbls. Engine Oil, Heavy	3 Male Steps for Water Wheel
$\frac{1}{2}$ bbl. Engine Oil, Light	1 pr. 8 Inch Pliers
25 gal. Governor Oil	1 12 Inch Screw Driver

10 Gal. Kerosene Oil	6 $2\frac{1}{2}$ Inch x $\frac{3}{4}$ Cap Screws
$\frac{1}{2}$ bbl. Cup Grease	12 $2\frac{1}{2}$ x Cap Screws
$\frac{1}{2}$ bale Waste	12 $2\frac{1}{2}$ x $\frac{5}{8}$ Inch Cap Screws
4 Gals. Brass Polish	8 $1\frac{1}{2}$ x $\frac{1}{2}$ Screws
15 lb. Powdered Graphite	12 $\frac{3}{8}$ Inch x 2 Screws
Meter Paper	5 $\frac{3}{8}$ Inch x 1 Inch Screws
100 lb. Gen. Babbitt	5 $4\frac{1}{2}$ x $\frac{1}{4}$ Machine Bolts
100 lb. No. 4 Babbitt	12 5 x $\frac{7}{8}$ Inch Machine Bolts
6 Oil Screens for Filter	4 8 x 12 Inch Machine Bolts
$\frac{1}{2}$ doz. 10 Inch Bast Flat Files	3 34 Inch Meter Gears for Water
10 Sticks Commutator Dressing	Gate Hoist
1 lb. $\frac{1}{4}$ Inch Spiral Packing	6 Racks and Pinions
1 lb. $\frac{3}{8}$ Inch Spiral Packing	2 Cast Iron Clutch Straps
1 lb. $\frac{1}{2}$ Inch Spiral Packing	200 lbs. Cotton Rags
12 Leather Cups for Governor	

## Report of the City Treasurer and Collector of Taxes

1919-1920

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### TAXES

**State and County Tax:**

State tax . . . . .	\$195,443.13
County tax . . . . .	41,160.10

Total State and County Tax . . . . .	\$236,603.23
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### CASH RECEIPTS AND PAYMENTS

for the

Fiscal Year Ended February 29th, 1920

1919

March 1st. Cash on Hand and in Banks . . . . .	\$41,821.69
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### RECEIPTS

**Taxes:**

Real and personal for 1919 . . . . .	\$752,475.23
Real and personal for 1918 . . . . .	3,647.64
Real and personal for 1917 . . . . .	411.65
Real and personal for 1916 . . . . .	409.57
Real and personal for 1915 . . . . .	374.96

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## CITY OF BANGOR

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Real and personal for 1914.....	106.17
Real and personal for 1913.....	20.98
Real and personal for 1912.....	5.32
Real and personal for 1911.....	7.25
Real and personal for 1910.....	5.00
Real and personal for 1909.....	1.00
Real and personal for 1908.....	1.00
Poll for 1919.....	13,446.80
Poll for 1918.....	785.21
Poll for 1917.....	265.25
Poll for 1916.....	172.28
Poll for 1915.....	201.94
Poll for 1914.....	119.01
Poll for 1913.....	85.00
Poll for 1912.....	62.00
Poll for 1911.....	45.00
Poll for 1910.....	34.00
Poll for 1909.....	33.00
Poll for 1908.....	24.00
Poll for 1907.....	16.00
Poll for 1906.....	3.00
Poll for 1905.....	3.00
Poll for 1904.....	10.00
Poll for 1903.....	16.00
Total tax collected.....	<u>\$772,787.26</u>

## Tax Titles Redeemed:

Tax titles, 1895.....	\$6.55
Tax titles, 1898.....	2.78
Tax titles, 1905.....	137.64
Tax titles, 1906.....	137.64
Tax titles, 1908.....	26.57
Tax titles, 1909.....	75.00



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Tax titles, 1910.....	32.32
Tax titles, 1912.....	333.09
Tax titles, 1913.....	229.31
Tax titles, 1914.....	556.18
Tax titles, 1915.....	391.80
Tax titles, 1916.....	581.40
Tax titles, 1917.....	3,260.25
Tax titles, 1918.....	3,317.92
Tax titles, 1919.....	82.83

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Total tax titles redeemed..... \$9,171.28

**From State:**

Railroad and Telegraph tax..... \$43,170.27

**LICENSES AND PERMITS:**

Auctioneers.....	\$10.00
Peddlers.....	70.00
Billiards.....	105.00
Circuses.....	39.00
Dogs.....	859.90
Employment Agencies.....	175.00
Plumbers.....	44.00
Street Openings.....	57.50
Theatres.....	80.00
Gasolene.....	57.00
Fireworks.....	11.00

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Total licenses and permits..... \$1,508.40

**GRANTS AND GIFTS FROM STATE**

**For Education:**

Aid to Industrial Schools..... \$3,059.96

1920]

## CITY OF BANGOR

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Aid to Free High School.....	500.00
Union Superintendency.....	800.00
For Armory.....	400.00
Free Public Library, Stipend for 1919.....	500.00
Highway, Improving State Roads.....	3,082.44
School and Mill Fund.....	18,206.60
Common School Fund.....	36,847.42
<hr/>	
Total Grants and Gifts from State.....	\$63,396.42

## SPECIAL ASSESSMENTS

Street Sprinkling.....	\$8,192.07
Sewer.....	1,235.09
Sidewalk and Curbing.....	1,724.16
<hr/>	
Total special assessments.....	\$11,151.32

## PRIVILEGES

## Public Service, Franchises and Wires:

Bangor Railway & Electric Co., Street Franchise.....	\$2,800.00
Bangor Railway & Electric Co., Bangor and Brewer Bridge Franchise.....	1,600.00
Bangor Railway & Electric Co., crossing Bridge with wires.....	80.00
Bangor Gas Light Company, crossing Bridge with pipes.....	80.00
New England Tel. & Tel. Co., crossing Bridge with wires.....	80.00
<hr/>	
Total.....	\$4,640.00

370      REPORT OF CITY TREAS. AND COLLECTOR OF TAXES      [1920

**CITY HALL**

Rent of Hall.....	\$4,227.00	
Rent of Offices.....	1,709.92	
Rent of Court Street Building.....	225.00	
	<hr/>	\$6,161.92
Received for Moving Seats.....		85.00
		<hr/>
Total.....		\$6,246.92

**PROTECTION OF PERSONS AND PROPERTY**

**Court Fees:**

Supreme Judicial Court.....	\$2,187.34	
Municipal Court.....	1,705.94	
	<hr/>	
Total Court Fees.....		\$3,893.28

**Police:**

Use of patrol.....	\$486.51	
All Others.....	44.51	
	<hr/>	
Total Police.....		\$531.02

**Fire:**

Miscellaneous.....		\$1,567.18
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**Electric:**

Miscellaneous.....		\$137.50
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**MISCELLANEOUS ACCOUNTS RECEIVABLE**

Accounts Receivable.....	\$1,078.58	
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1920]

CITY OF BANGOR

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REFUNDS

Miscellaneous refunds.....	\$133.41
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CEMETERIES

Sale of Lots:

Mt. Hope.....	\$265.00
Oak Grove.....	145.00
Maple Grove.....	10.00
Pine Grove.....	62.00
	<hr/>
Total.....	\$482.00

HEALTH AND SANITATION

Fumigating.....	\$69.80
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HIGHWAY AND BRIDGES

Accounts Receivable.....	\$3,264.77
Sale of stone, gravel, etc.....	924.31
Refunds.....	11.25
	<hr/>
Total Highway and Bridges.....	\$4,200.33

CHARITIES

Almshouse and Farm:

Sale of Milk and Cream.....	\$10.00
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372      REPORT OF CITY TREAS. AND COLLECTOR OF TAXES [1920

Sale of Hay, Grain and Live Stock .....	2,429.94	
	<hr/>	
Total Almshouse and Farm .....		\$2,439.94

REIMBURSEMENTS: CHARITY

From other Cities and Towns .....	\$1,112.69	
From individuals .....	104.21	
From State of Maine .....	12,977.70	
Miscellaneous .....	324.65	
	<hr/>	
Total .....		\$14,519.25

EDUCATION

Tuition .....	\$8,819.55	
Sale of Books .....	11.00	
Furnishing Heat to Public Library .....	2,009.58	
	<hr/>	
Total .....		\$10,840.13

INTEREST

On Fogg Fund .....	\$ 50.00	
On Bank Deposits .....	2,608.80	
On Tax Titles Redeemed .....	539.53	
On Taxes .....	715.25	
On New School House Bonds, (Accrued.) .....	101.25	
	<hr/>	
Total .....		\$4,014.83

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CITY OF BANGOR

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RECORDING DEEDS: MISCELLANEOUS

Recording Deeds.....	\$10.00
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SOLDIERS' BENEFITS

State Pensions:

Soldiers' Aid.....	\$22,212.70	
State Pensions.....	6,153.00	
	<hr/>	
Total.....		\$28,365.70

UNCLASSIFIED

Receipts from Telephone Booths.....	\$171.99	
Receipts from Weighing Machine.....	11.32	
Receipts from Hay Scale Franchise.....	30.00	
	<hr/>	
Total.....		\$213.31

BANGOR AND BREWER BRIDGE

Received from the City of Brewer, for proportion of main- tenance.....	\$352.89
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PUBLIC SERVICE ENTERPRISES

Sale of Water.....	\$102,400.00
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TEMPORARY LOAN

Temporary Loan.....	\$250,000.00
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**MISCELLANEOUS**

Cost of Advertising Taxes.....	\$	.94
Grand total.....	\$1,379,143.65	

**PAYMENTS MADE ON ACCOUNT OF WARRANTS**

for the Fiscal Year Ended February 29th, 1920

Warrant No.	Amount Paid
119.....	\$3,396.47
120.....	20,528.69
1.....	951.49
2.....	16,401.92
3.....	327.07
4.....	2,546.55
5.....	11,571.81
6.....	956.41
7.....	156.00
8.....	4,889.24
9.....	14,081.52
10.....	632.93
11.....	28,886.33
12.....	102.50
13.....	2,897.50
14.....	7,642.79
15.....	877.60
16.....	8,768.87
17.....	14,396.30
18.....	23,726.27
19.....	911.70
20.....	192.14
21.....	5,276.82
22.....	3,631.79

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## CITY OF BANGOR

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23.....	171.06
24.....	860.21
25.....	15,516.09
26.....	130.79
27.....	4,647.38
28.....	2,542.08
29.....	3,102.27
30.....	234.58
31.....	809.71
32.....	5,115.96
33.....	16,713.88
34.....	20,255.39
35.....	146.58
36.....	356.36
37.....	4,792.74
38.....	7,634.61
39.....	221.58
40.....	770.46
41.....	20,595.15
42.....	21,221.63
43.....	166.93
44.....	6,687.39
45.....	143.36
46.....	5,410.97
47.....	544.94
48.....	2,638.09
49.....	16,678.45
50.....	652.09
51.....	8,342.67
52.....	7,060.00
53.....	23,411.15
54.....	11,447.09
55.....	170.79
56.....	7,625.03
57.....	14,388.37



376      REPORT OF CITY TREAS. AND COLLECTOR OF TAXES      [1920

58.....	999.12
59.....	4,797.77
60.....	
61.....	
62.....	
63.....	\$23,153.11
64.....	328.60
65.....	24,604.42
66.....	6,738.96
67.....	2,679.25
68.....	15,899.67
69.....	124.78
70.....	500.00
71.....	688.80
72.....	6,204.78
73.....	20,288.54
74.....	67,097.11
75.....	151.00
76.....	3,667.60
77.....	16,234.26
78.....	207.00
79.....	791.64
80.....	5,576.08
81.....	14,200.44
82.....	268,260.37
83.....	159.33
84.....	207,061.15
85.....	948.00
86.....	7,236.59
87.....	873.42
88.....	15,001.32
89.....	174.90
90.....	15,606.14
91.....	251.00
92.....	24,371.99

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## CITY OF BANGOR

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93.....	15,666.26	
94.....	11,528.09	
95.....	158.24	
96.....	215.00	
97.....	893.72	
98.....	33,297.07	
99.....	9,641.03	
100.....	129.00	
101.....	17,177.50	
102.....	11,475.45	
103.....	7,475.02	
104.....	979.77	
105.....	7,361.65	
		<hr/>
Total paid on warrants.....		\$1,321,224.89
Total receipts.....		\$1,379,143.65
Total disbursements.....		1,321,224.89
		<hr/>
Cash balance.....		\$57,918.76

## BALANCE, FEBRUARY 29th, 1920

Eastern Trust & Banking Co., Bangor.....	\$15,096.17	
Merrill Trust Company, Bangor.....	16,003.71	
First National Bank, Bangor.....	10,885.38	
Merchants National Bank, Bangor.....	9,286.60	
Merchants National Bank, Boston.....	2,156.35	
Deposits made up (to be deposited).....	3,490.55	
Petty Cash.....	1,000.00	
		<hr/>
Cash balance.....		\$57,918.76

The above cash consists of:

Operating cash.....	\$52,627.62
Petty cash.....	1,000.00

378      REPORT OF CITY TREAS. AND COLLECTOR OF TAXES      [1920

Trust Fund cash.....	4,291.14	
	<hr/>	\$57,918.76

NEW SCHOOL HOUSE ACCOUNT

RECEIPTS

Net Proceeds from the sale of \$90,000. in Bonds.....		\$89,514.00
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DISBURSEMENTS

As Per Warrants

Warrant No.	Amount Paid
60.....	\$9,150.00
68.....	6,800.00
80.....	4,100.00
82.....	210.00
84.....	500.00
92.....	7,200.00
93.....	1,840.00
98.....	2.22
99.....	140.00

Total disbursements.....		\$29,942.22
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Cash balance.....		\$59,571.78
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February 29th, 1920.



## **Report of the Schools**



### **SCHOOL BOARD**

ARTHUR H. BLACK.....Term expires March, 1921  
J. F. ANGLE.....Term expires March, 1921  
FREDERIC W. ADAMS.....Term expires March, 1922  
W. A. WHEELER.....Term expires March, 1922  
ARTHUR C. NICKERSON.....Term expires March, 1923

### **Officers of the Board**

ARTHUR H. BLACK, Chairman  
TRUE C. MORRILL, Secretary

Regular meeting of the School Board, the second Tuesday of each month  
at 7.30 p. m.

### **Superintendent of Schools**

TRUE C. MORRILL  
ARLENE M. TASKER, Clerk

### **School Agent**

GEORGE W. CLUFF

### **Truant Officer**

GEORGE W. CLUFF

Office of the Superintendent of Schools—Room 106, High School Building.

Office is open from 8 o'clock a. m. to 11.30 a. m. and from 2 p. m. to 5 p. m.

Office hours of the Superintendent—School days: 8 to 9 a. m. and 4 to 5 p. m. Saturdays—10 to 11 a. m.

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Office of the School Agent—Room 2, City Hall

Office hours—8 to 9 a. m. and 4 to 5 p. m.

### **CALENDAR**

Fall term begins Sept. 13, 1920. Closes Dec. 17, 1920—14 weeks.  
Winter term begins Jan. 3, 1921. Closes Mar. 25, 1921—12 weeks.  
Spring term begins April 11, 1921. Closes June 17, 1921—10 weeks.

## REPORT OF THE Superintending School Committee

---

Bangor, Maine, July, 1920.

*To His Honor, the Mayor, and the City Council of Bangor:*

The Superintending School Committee begs to submit its annual report covering the work in the School Department during the past year.

Many important matters have come before the Board for consideration, and owing to the sudden decease of Superintendent D. Lyman Wormwood, many details ordinarily handled in the Superintendent's office were necessarily referred to your Committee for attention.

After thorough consideration of the qualifications of numerous candidates, Mr. True C. Morrill, Superintendent of Schools, at Norway, Maine, was elected to fill the vacancy caused by Mr. Wormwood's death. In the opinion of the Board, Mr. Morrill has already justified this action, and we feel confident that he will be a strong factor in placing Bangor's schools on the high plane which is desired by all citizens.

Another vacancy was caused by the resignation of Mr. Hal R. Eaton, Principal of the High School, and this was filled by the promotion of Sub-Master Clarence W. Proctor. Mr. H. A. M. Trickey was appointed Sub-master in Mr. Proctor's place. Both gentlemen are thoroughly conversant with the work of the school, and will have the unqualified support of the faculty.

The Board is thoroughly in harmony with the Superintendent in desiring to enlarge the scope and value of the Evening School, and believes that this may be made an important branch of the city's educational system. The American Legion is cooperating with the School Department in this work, recognizing its importance in connection with Americanization.

The Board has endeavored to keep the teaching force of the city at its recognized high standard, but has had to face the fact that the higher salaries paid elsewhere have tended to attract many of our best instructors. Substantial salary increases were made this year, but these will not be sufficient to accomplish the purpose of maintaining a teaching force commensurate to our needs. It is inevitable that a further increase must be made next year.

Leaving out of consideration the question of justice to the teachers, and their needs, and treating the subject wholly as a business matter, the desirability of paying adequate salaries is easily apparent. The city has a large investment in its school system, and the return on this investment is in the production of educated citizens. It is self-evident that incompetent teachers cannot produce the desired returns, and competent teachers can only be secured by competition with other cities paying higher salaries. The manufacturer desiring to secure satisfactory results from his investment in an expensive plant recognizes that poorly paid, inefficient workmen cost him more than contented, well-paid and efficient operatives. The same condition is true of our school system.

Your attention is called to Superintendent Morrill's proposed salary schedule, which is incorporated in his report, and it is the opinion of the Board that the adoption of this plan, with the necessary appropriation to carry out its details, will prove an

incentive to our present teaching force, and also will attract trained teachers from other places.

The Board has under consideration many plans for the betterment of the schools, but while thoroughly believing in the desirability of these plans, we also recognize our financial limitations, and we feel that the first essential is to place our teaching staff on a sufficiently well-paid basis to ensure its stability and high standard.

The Board wishes once more to extend a cordial invitation to the City Council to visit the school buildings, and thereby acquire first hand knowledge of the school system. It is an unfortunate fact that the majority of citizens are content to leave the instruction of their boys and girls to the wisdom of the teachers and the direction of the school officials, and seldom visit the schools to ascertain what is being done in the way of education of our coming citizens. Every teacher in the city will cordially welcome visits from parents or other interested individuals.

For a detailed statement of the expenditures of this Department, and the work accomplished during the year, you are referred to the various reports herewith.

Respectfully submitted,

William A. Wheeler, Chairman

Frederic W. Adams

Jere F. Angley

Arthur H. Black

Arthur C. Nickerson



## Estimates for the Year 1920-21

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### General Administration

Salary of Supt., S. S. Committee, Medical Inspectors, Clerk.....	\$4,400.00
Office Supplies.....	150.00
School Agent.....	1,000.00

### Teachers' Salaries:

High School, Inc. M. Tr. and D. Sci.....	57,750.00
Common Schools, Inc. M. Tr. and D. Sci.....	122,274.00

Text-books and Supplies.....	12,000.00
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### Janitors' Service:

High School Janitors and Engineers.....	7,700.00
Common Schools.....	9,200.00

### Fuel and Light:

High School.....	7,500.00
Common Schools.....	14,000.00
Maintenance and Repairs.....	11,000.00
Manual Training Supplies.....	1,200.00
Domestic Science Supplies.....	600.00

### Night School:

Teachers' Pay Roll.....	1,300.00
Night School Supplies.....	200.00

Conveyance.....	360.00
Water for Schools and Drinking Cups.....	300.00

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## CITY OF BANGOR

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Incidental.....	3,446.00
Rent of Building for School Purposes.....	350.00
Salary increase recommended by S. S. Com. for the school year 1919-20.....	43,324.00

## RECEIPTS AND EXPENDITURES

Year Ending March 1, 1920

Amount raised by city from taxation.....	\$136,318.00
Received from State Fund and Mill Tax.....	55,054.00
Received from State on account of Salary of Supt. .	800.00
Received from State for Free High School.....	500.00
Received from State for Industrial Education and Evening School.....	3,059.19
Received from Pupils for Tuition.....	7,397.49
Received from Bangor Public Library for Heating Bldg .....	2,779.44
Received from Sale of Books, Supplies, etc.....	7.10
Received from Night School (Turned into Treas- urer).....	73.00
Credits, as per Auditor's Account:	
High School—Guns for girls.....	16.10
Athletic Association.....	100.00
	<hr/>
	\$116.10
Total amt. for schools, year ending March 1, 1920...	<hr/> \$206,105.11

## AMOUNT EXPENDED

## General Administration:

Salary of Supt., S. S. Committee, Clerk and Medical Inspectors.....	\$4,764.00
Office Supplies.....	129.98
School Agent.....	700.00

## Teachers' Salaries:

High School Teachers.....	45,796.76
Common School Teachers.....	91,012.26

Text-books and supplies..... 12,284.78

## Janitors' Service:

High School Janitors.....	6,141.04
Common School Janitors.....	7,422.02

## Fuel and Light:

High School.....	6,713.69
Common Schools.....	10,483.72
Maintenance and repairs.....	10,130.88
Manual training.....	999.60
Domestic Science.....	574.26
Night School Teachers.....	1,155.91
Rent of buildings for School Purposes.....	340.00
Incidental.....	3,323.62
Conveyance.....	392.00
Water and drinking cups.....	289.13
Night School Supplies.....	71.53
	<hr/> \$202,895.18
Total balance.....	<hr/> \$3,399.93

## Report of the Trustees of the French Medal Fund

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*To the City Council:*

Gentlemen:—The following awards of the C. E. French Medals were made for the school year 1919-1920:

### HIGH SCHOOL

Scholarship: Dorothy C. Freese  
Elizabeth P. Chandler

Essay: Alice L. Hammond  
G. William Rowe

Declamation: Edward M. Curran  
Ruth T. Clough

Stenography and Typewriting:  
Queenie M. Peters

### HANNIBAL HAMLIN SCHOOL

Anna C. Ebbeson  
Dorothea A. Lewis  
Gertrude M. Smith

### ABRAHAM LINCOLN SCHOOL

Miriam C. Talberth  
Benjamin J. Dorsky  
Frances M. Thatcher

### RURAL

Gladys Drusella Bickford

## THE FRENCH MEDALS

### For Scholarship

A medal will be given to the member of the graduating class who has attained the highest rank in scholarship throughout the four years' course, and to the one who has attained the next highest rank.

### For Graduating Essays

Medals will be given to the girl and the boy in the graduating class who present the best essay.

### Stenography and Typewriting

A medal will be given to the member of the graduating class who excels in stenography and typewriting, the result to be determined by competitive examination.

### Declamation

Medals will be given to a girl and a boy in the Junior Class for excellence in declamation at the Junior exhibition.

In no case shall two medals be awarded the same pupil.

No pupil, who has not been a member of the school for four years, shall receive a Senior medal.

No pupil, who has not been a member of the school for three years, shall receive a Junior medal.

No pupil, whose scholarship or deportment has been unsatisfactory, shall receive a medal.

### For Scholarship

One medal will be given in each 9th grade room for the highest rank in scholarship throughout the four years in the grammar grades. Also one medal will be given each year in the 9th grade rural schools.

## REPORT OF THE Superintendent of Schools

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*To the Superintending School Committee of Bangor, and Citizens:*

Throughout the country during the past few years, although there has been retrenchment along other lines, there has been no such a thing when it has come to supporting education. This applies to Bangor in a very large measure, for, during my short survey of local conditions, it has been very encouraging to me to note what a wholesome and whole-hearted interest the citizenship is taking in education, and in supplying adequate funds for educating the future leaders in local, state and national life. A school system is usually as good as the public will support. I desire to create a conscious bond between the schools and the people through information as to what we are trying to do.

It has been most gratifying and encouraging to me in my new duties to have a School Board which is anxious to cooperate in promoting the best interests of the schools. The teaching force of unusual ability, having the right professional attitude, lends stability for wholesome growth. An attitude pervades the system which wishes to dignify the business of teaching that it may become a profession. More of the teachers need less urging to seek further training than in any other teaching corps it has been my privilege to know. It is my desire to cause capable teachers to want to do better. In many places capable teach-

ers are dying professionally for want of a new purpose in their work.

It is my purpose within the next year to give tests in our schools which have been taken by thousands of pupils in different cities throughout the country. The standards set elsewhere will be our target. I shall strive to show my teachers not only how to use these tests but also show them how to tabulate results and interpret them. In this way we shall hope to locate our problems and prescribe a remedy.

I am accepting the school problems of Bangor as I find them, and, with the help of the many excellent facilities placed at my disposal, shall hope to put into use modern educational practices. I am presenting herewith some developed plans, solutions and devices about which I think we should be thinking. Some time ago I desired to place before my School Board a general diagram as to my conception of what is called a 6-3-3 plan of organization for a school system. Such a system includes the kindergarten and the first six grades, or the "6" of the plan. The seventh and eighth grades and the first year high would be included in the Junior High School, which is the first "3." A glance at the chart which I have chosen to call a "Visualized School Curriculum" will give a definite idea as to the separate division of the grades through the Senior year of the High School. These High School grades comprise the second "3." The chart gives a good idea as to the normal ages for the several grades, which idea is included in the "Age-Grade Table." I have attempted to show in the table how each course is evolved, and trust the device may be of some interest to those desiring to get a clearer idea of the subject.

In school work the desirable purposes are so many and the field of work so broad that school people are apt to lose sight of

the distinguishing purposes that characterize the different divisions of the school. The purpose which differentiates elementary education from other forms is that of developing proficiency in getting the working tools for use in gaining further information. Chief among these subjects are reading, writing, spelling and arithmetic. Proficiency in these subjects is acquired largely through a process of drill, until the process becomes as fixed as a habit. After careful teaching and correct recitation on the part of the pupils, teachers are often surprised and disappointed in work which their pupils do. This is usually because of the fact that *habits* of spelling, of using correct English, and of making correct number combinations, and the like, have not been formed.

When we say that such work is a distinguishing purpose of the elementary schools we do not mean to say that this is the only purpose. There is in addition the development of ideals of conduct as well as the cultivation of acquaintance with methods of reasoning, etc. These latter purposes are no less important than the cultivation of such habits as indicated above, but they are to be realized in the elementary school no more than in the other divisions of the system. Perhaps the most important duty of those in charge of elementary schools is to fix clearly in mind the purposes and methods which distinguish the elementary school from the high school, and other divisions of the system of education.

Each year makes it more evident that it will soon become imperative to provide proper housing facilities for the Junior High School group of pupils, due to overcrowding both in the upper grades and more especially in the high school. To accomplish this purpose prior to having a building for the modern



tried and tested school, we can get the work of the schools organized for moving into the building when it is supplied.

This is best accomplished in our schools by organizing our grades into eight instead of nine divisions, and having semi-annual promotions. This has proven to be the best plan wherever tried throughout the country and is in brief as follows: Each grade is organized into two divisions according to the ability of the pupils. Each division moves up over the course each one half year in advance of the class below it. Designate the grade by a figure and the classes in each grade by B and A. Each grade would then be divided as follows: 1-B and 1-A; 2-B and 2-A; 3-B and 3-A; 4-B and 4-A; 5-B and 5-A; 6-B and 6-A; 7-B and 7-A; 8-B and 8-A. This organization might extend through the high school where pupils might finish their work by mid-year in the twelfth grade. They would then be able to elect subjects of special interest, gain extra credits for college entrance or perfect themselves in some trade.

At the mid-year promotions the classes move up as follows: 6-A becomes 7-B; the class that was 7-B becomes 7-A, and the class that was 7-A enters the eighth grade as 8-B. If the organization does not extend into the high school there will be an extra division in the eighth grade. 8-B will try to complete the year's work in one-half year, and, by gaining half a year enter high school at the beginning of the next term with 8-A. By this plan the pupils in 8-B who enter high school actually gain half a year. If any of this class should fail a summer vacation school of six weeks would provide opportunity for them to work off the conditions and enter high school with the rest. When pupils are promoted every half year, if one fails of promotion he repeats only the half year instead of losing a whole year.

What does it cost Bangor to run a ninth grade? It will be noted from the Age-Grade table that the schools of Bangor extend through thirteen years instead of twelve as in most other places. Roughly computing the per capita cost of pupils in the grade we find that for the 205 pupils enrolled in the grade for the past year, using the average cost per pupil in the grades, or about \$48.50, we find it cost \$9942.50. This amount or more is spent annually on a grade that is found unnecessary in the country at large, and that is being steadily discontinued in places where it has been in operation for a long time. Does it pay Bangor? Could not the principals and teachers employ their time to better advantage if applied to a like number of pupils of necessary grading?

The nine-grade elementary school has been all along not at all a national, but a distinctly New England institution, and every year brings reports of additional New England cities abandoning this extension of the elementary course. Some years ago many cities had nine grades in the elementary school; now very few have more than eight, and some but seven. The tendency is undoubtedly toward shorter and simpler elementary courses. New England was for many years the stronghold of the nine-year plan. Practically all cities of any size in New England now have eight grades. The nine-year elementary course dates back to 1872, when the school superintendents of New England, in formal session at Worcester, Mass., fixed the age of entrance at five and adopted a program of studies for primary and grammar schools to cover nine years.

Bangor, because of her good fortune in having a comparatively low ratio of pupils per teacher, and because of her facilities for getting good teachers, ought to be even more able than most cities to pass her children successfully through any reas-

onable elementary school course in eight years, and through the American high school course, including fully adequate preparation for college in four additional years.

An elementary school graduate from an eight-grade system in another neighboring place on coming to Bangor is admitted directly into Bangor High School on the certificate from his superintendent of schools. The Bangor pupil from the end of Bangor's eighth grade may not enter Bangor High School at all, but must first spend the additional year in Grade IX, although it is to be presumed that the educational accomplishment at the end of eight grades in Bangor is fully equal to the work of the eight-grade course elsewhere. Similarly other places discriminate against the Bangor pupil from the eighth grade by denying him admission except upon examination, on the ground that he has not completed an elementary school course, whereas a graduate from any eight-grade system is excused from the examination and admitted upon his eighth grade diploma. It must furnish small comfort to any Bangor parents who may have felt this latter discrimination, to know that Bangor in a measure gets even with other places by requiring that the eighth grade graduate from outside if he wants to pursue a college preparatory course in Bangor, must go down and begin in Bangor's ninth grade and thus take five years to prepare for college, when he could have accomplished his college preparation in four years in a high school elsewhere.

The conclusion to which all the foregoing paragraphs of this section lead is: Why continue Grade IX? If, as seems certain, this grade will be abolished eventually, why not now or at least within another year, beginning to plan for it now? Bangor's ninth grade might be considered a worthy extension of public school opportunities if the city possessed no high school,

but it has one of the finest high schools in New England. And Bangor can have a certain very valuable new school as soon as she will, and thereby be one of the first in the state to have an up-to-date Junior High School.

The introduction of Junior High Schools into school systems, large and small, in all parts of the United States is quite the opposite of anything like a mushroom, overnight development of faddish theorizing; for the present confident setting up of Junior High Schools in many places is in reality the outgrowth of prolonged discussion and careful experiment extending back for a period of more than two decades.

Why Bangor should have a Junior High School:

1. To render smoother the transition from the undepartmentalized and undifferentiated grades to the completely departmentalized and differentiated Senior High School; reduce elimination of pupils from school and therefore increase upper grade and high school enrollment, and popularize the extended preparation for good citizenship to be offered in our Senior High School, the new Bangor High School.

2. To strengthen the administration of the beginnings of college preparatory education in grades below the tenth grade (Sophomore year in high school).

3. To afford the opportunity for a genuine "prevocational tryout" (which is one of the chief benefits of a Junior High School) experience to the full extent of the facilities the school system could provide—such facilities being far more easily, economically and systematically provided in a single center than when distributed, as at present, quite ineffectively and undemocratically over several centers. This involves, of course, an improved differentiation of courses and better provision for

pupil differences. (See distribution in Visualized Curriculum chart, Junior High School section.)

4. To make easy the equalization of the classes, including the foreign language classes, concentrated in the Junior High School; and reduce, or even wipe out altogether, the over-large classes, particularly those exceeding 40 pupils, in the Senior High School and upper grades.

5. To remove the larger and older pupils from schools composed mainly of younger children, and bring pupils of high school age under conditions more like regular high school conditions—and therefore more suitable to their age and more stimulating to vigorous adolescent development—than are the conditions now prevailing in Grades VII, VIII and IX.

6. To accomplish as soon as the school authorities see fit, the abolishment of Grade IX and the reduction of the normal period for passing from the beginning of Grade I to the diploma of Bangor High School from 13 years to 12 years.

7. To reduce the over-heavy teaching assignments now imposed upon certain eighth and ninth grade teachers, and equalize all the assignments of the teachers in a departmentalized Junior High School organization in which special teachers teach the subject for which they are best fitted.

8. To effect various improvements in the administration of the grades embraced in the Junior High School, introducing, for example, promotion by subject in much the same manner as such promotion is conducted in the standard American High School.

9. To furnish to pupils, teachers and community the stimulus of a new, interesting and progressive composite intermediate school that will test out early adolescent capacities, having its vocational department in charge of a principal skillful in such

work; this would largely eliminate the misfit careers from our upper schools and start them on careers for which they are best fitted; serve as an excellent first preparatory school for pupils bound for college; serve equally as a finishing school for those intending to enter employment at the end of the ninth or tenth grade; and also serve, to a certain extent, as an elementary industrial school.

The proposals here submitted contemplate several years for their complete accomplishment, and any detailed formulation of procedure at this time would be subject to all the revision made advisable or necessary by the continuous changes going on in any social situation.

As soon as a suitable building is ready bring together, to form the Junior High School, the pupils of the present Grade IX, and some or all of the pupils of Grade X, the present high school first-year class. This combination will form the first stage of the new development. Removal of the last-named group of pupils from the present high school building will relieve the crowded conditions there to the extent of about 350.

#### ACCELERATION, NORMALITY AND RETARDATION

The above terms are chosen to indicate pupils' positions in the grades with reference to their ages. Since most children enter the first grade at six, this is taken as the normal minimum age for pupils in that grade. Many children however do not enter the first grade until the age of seven, and consequently seven years is taken as the maximum age for the first grade. This means that if a pupil is in the first grade and is six and not quite eight years of age, he is classed as a normal pupil; if he is below six years of age, he is classed as an accelerated pupil; and if he is eight years of age or over he is a retarded pupil. Cor-

responding age limits are fixed for each grade. The accompanying table indicates the number of pupils in each of the three classifications for each grade. Pupils below the heavy black line are accelerated; those above the upper heavy black line are retarded; those within the heavy black lines are of normal age.

The actual figures for the above classification as taken from the Age-Grade table are as follows:

#### GRADES

	Number	Percentage
Accelerated,	544	.161
Normal,	2223	.659
Retarded,	604	.179

#### HIGH SCHOOL

Accelerated,	85	.075
Normal,	672	.597
Retarded,	368	.327

According to modern standards it is desirable to have a large percentage of accelerated pupils (showing that pupils of exceptional ability have an opportunity to be promoted according to ability), and a small percentage of retarded pupils. The percentage of standards extends all the way from 50% of acceleration of Quincy, Mass., to 4% for Brookline, (which had a nine grade system) with the middle average of 34 cities at 27% for Perth Amboy, N. J.

The over age-ness varies for the country from 19% for Quincy to 56% for Brookline, with the middle figure for 34 cities at 40% for Plainfield, N. J. This will explain in a measure the significance of the above figures. I have no comparative figures for high schools to submit.

Any plan which may be developed in the school to permit pupils of unusual ability to do an amount of work consistent with that ability should be encouraged by the patrons of the school. It is perhaps a greater tragedy for an unusually bright pupil to be allowed to idle away his time and not to be put in a position where he is compelled to work up somewhere near the limit of his capacity, than it is for a dull pupil to be compelled to overwork in order to keep up with his grade.

#### PROPOSED GRADE SALARY SCHEDULE FOR BANGOR

The following salary schedule is proposed for Bangor grade teachers, the same to become effective on March 1st, 1921. I believe it is the most important step that can be taken in any department of the school work in Bangor. With its adoption it will be possible for teachers already teaching here and those who are considering coming here to determine definitely what salary prospects are in store for them. I believe it will add stability to our teaching force and attract the best teachers from away to seek positions here. Tenure of office and promotions will be placed upon a merit basis, with proper incentives for every teacher to extend her training that she may be better fitted for her work.

This schedule has not yet been adopted but is under consideration. The teachers to whom it has been explained, which includes nearly all of them, are very hopeful that it may be adopted. This schedule will eliminate any annual misunderstandings as to salaries. There is some financial incentive for teachers to take further training after six years experience, and any teacher after teaching that long should renew her point of view as to the ever-growing educational problems. There would not be any teachers in the city within five years eligible



to the "model teachers" part of the schedule. There would never be more than three or four teachers eligible to that section of the schedule.

### SALARY SCHEDULE

Proposed Salary	Years Exp.	Automatic Increase	
\$1600	14		No teacher will be promoted to this group except for special fitness as a Model Teacher.
1550	13	\$50	
1500	12	\$50	
1450	11	50	
1400	10	50	Promotion within this group is for extra training while under contract.
1350	9	50	
1300	8	50	
1250	7	50	
1200	6	75	Automatic increase to \$1200 on tenure or experience. Any teacher may be prompted one-half step for unsatisfactory work. A third one-half promotion will not be given but teacher released after reasonable warning.
1125	5	75	
1050	4	75	
975	3	75	
900	2	50	
850	1		Probation Requirement for trained, inexperienced teachers.

A new teacher with experience coming to the system, wherever rated, must accept the first year as probationary.

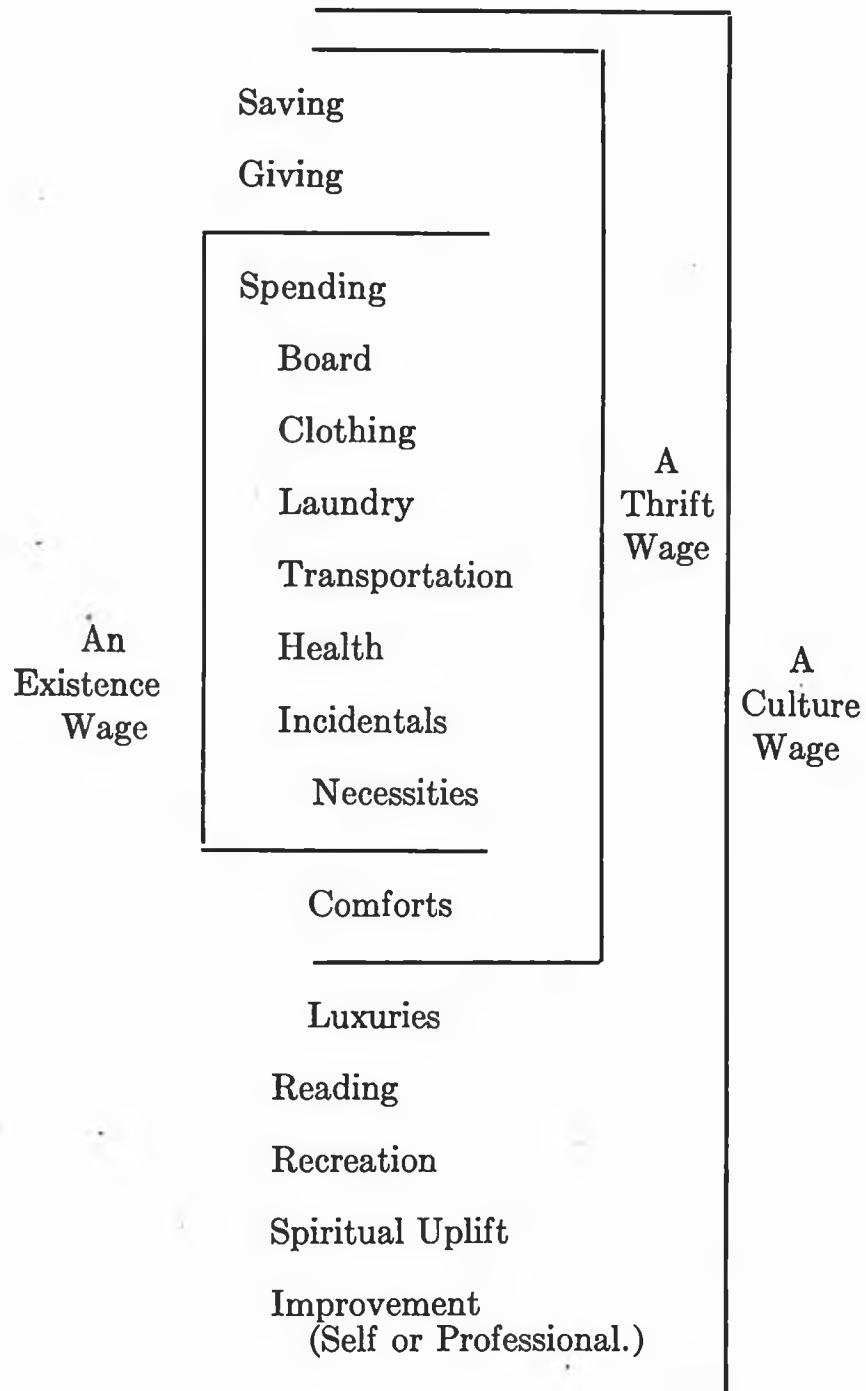
\*To subsidize on training expenses, the School Department agrees to pay teachers presenting satisfactory credits for work taken a reimbursement distributed on the following basis:

To pay at the end of, Fall term . . . . .	\$15.00
Winter term . . . . .	15.00
Spring term . . . . .	15.00

Any teacher leaving the schools within a term is not eligible for reimbursement.

That Bangor may be able to get and retain the best teachers it is necessary that an adequate salary schedule of some kind be adopted, whether it be the one above mentioned or some device which may be better. The minimum salary should not only be the beginning of the scale which the city can well afford to adopt, but should recompense for training.

I am submitting the following three ways for considering teachers' salaries. Which kind of a wage scale do we prefer for our teachers?



Bangor is especially fortunate in having one of the best kindergarten systems in the state. It is this part of the school organization that not only makes an eight grade system possible, but desirable. I choose to include the kindergarten as a part of the grade system, and require at least one year training in it before pupils enter the first grade at an age not earlier than six years. This will cause children to finish the six grades at twelve years (the beginning of Adolescence) when it is desirable for them to enter the Junior High School, which is especially organized to conform to their changing mental and physical conceptions of life.

### SCHOOL ATTENDANCE

An imperative requirement for pupils to maintain the best standing in school and thereby get the best start in life is regular school attendance. A large percentage of retardation is brought about by failure to attend school regularly. A day's absence cannot easily be made up; a week's absence may so break the continuity of mental development that the individual will feel the gap through life. The wound may heal but the scar will be plainly apparent. An absence of a month is usually fatal to progress and the pupil does well to repeat the semester rather than try to overcome the handicap.

Every precaution should be taken to prevent children from missing school on account of sickness. Conditions in the home and in the school, the clothing of children, their food, and everything concerning their physical welfare should be given constant and intelligent attention. The work of each individual pupil should be watched carefully both by the teacher and parents, and at the first indication of the pupil's falling behind in his work special attention should be given to him, both in school and

in the home. Every effort of the school people and every requirement on their part which is calculated to prevent the pupil's failing should receive the sympathy and assistance of the parents.

Indifferent or overindulgent parents who do not take the school work for their children seriously should realize not only the handicap the child is inheriting for every day's absence, but that the law provides for the child's regular attendance at some school between the ages of seven and fifteen years of age. Briefly the Compulsory Education laws are as follows:

"Every child between the seventh and fifteenth anniversaries of his birth. \* \* \* \* shall attend some public day school during the time such school is in session, and an absence therefrom of one-half day or more shall be deemed a violation of this requirement. \* \* \* \* All persons having children under their control shall cause them to attend school as provided in this section, and for every neglect of such duty shall be punished by a fine not exceeding twenty-five dollars or shall be imprisoned not exceeding thirty days. \* \* \* \* The superintending school committee of every city and town shall annually elect one or more persons, to be designated attendance officers, who shall inquire into all cases of neglect of the duties prescribed in the foregoing section and ascertain the reasons therefor and shall promptly report the same to the superintending school committee, and such attendance officers or any of them, shall, when so directed by the school committee or superintendent, in writing, prosecute in the name of the state any person neglecting to perform the duties prescribed in said section, by promptly entering a complaint before a magistrate; and said officer shall, when notified by any teacher that any pupil is irregular in attendance, arrest and take such pupil to

school when found truant. \* \* \* \* \* If a child without sufficient excuse, shall be habitually and wilfully absent from school or shall fail without such excuse to attend school for five day sessions or for ten half-day sessions within any period of six months, he shall be deemed an habitual truant. \* \* \* \* \* Any person having control of a child, who is an habitual truant \* \* \* \* \* and any person who induces a child to absent himself from school, or harbors or conceals such child when he is absent, shall be punished by a fine not exceeding twenty dollars or shall be imprisoned not exceeding thirty days."

### INDUSTRIAL COURSES

The city has never received any State and Federal aid from the industrial courses given in the high school as the shops were not organized to meet the requirements. The State Director has given me exact information as to the requirements upon which the School Board has decided it desirable to meet the requirements by employing another man for the work in the machine shop, the regular man taking up the work in the wood-working shop.

The new equipment necessary for the work will be in place for the beginning of the fall term, namely: a 30 inch band saw and a 12 inch buzz planer. A Universal Grinder has been purchased from the government for 15% of its original price which will effect a big saving in the machine room, and add greatly to the efficiency of the department.

The evening courses in the shops will be offered this year for men who are doing work in continuation of their daily employment. For such a course, if it maintains throughout the thirty weeks of its duration an attendance of 25% of its enrollment,

the State will subsidize it to two-thirds the cost of instruction, to which is also added some Federal money which brings the subsidy to three-fourths or four-fifths the cost of instruction. This includes courses in the Commercial Department, Manual Training and all Vocational Courses. The all-day course in the high school will be subsidized to two-thirds the cost of instruction by the State. These courses are for pupils fourteen years of age and over.

There is also a day vocational course open to boys in the last two years of high school, known as the day-unit course. Each pupil must devote to this course 180 minutes per day in class room work, his time being divided as follows:

50% of his time must be in courses which have a practical, productive character.

30% of his time given over to subjects related to the above.

20% of his time given over to general academic subjects.

Citizens working at the manual trades of wood or machinery will find very useful courses in the night school on Monday, Tuesday and Thursday nights, beginning October 11th and continuing for thirty weeks. These courses comprise a course on the milling machine, the Universal Grinder, the lathe and the shaper.

The woodworking shop offers courses in pattern making, cabinet making, estimating, use of the framing square, city building laws, shop mathematics and plan reading. All men are welcome to the courses and we shall endeavor to make the courses practical and worth-while. We are to have two men of practical experience and training in charge of the work throughout the year.

## WORK PERMITS

The Child Labor Laws are very plain and exacting as to the employment of children under fourteen years of age. No child under this age can be given either a regular or vacation permit. Children between fourteen and sixteen years of age desiring to work, provided they have completed the work of the sixth grade, will be granted a permit upon presenting their birth certificate to the Superintendent of Schools. Vacation permits are granted in the same way only that no educational requirements are attached, the permit being good only for the time in the summer when schools are not in session. Children over fourteen years wishing to work in a non-mercantile establishment during vacation time need no permits. Any superintendent of schools or any manufacturing establishment violating any of the labor law requirements is liable to a fine of \$50.00.

## MUSICAL ORGANIZATIONS

The work that has been done in the schools by Mr. Sprague and Mrs. Eaton is of the highest order. I think that all who were fortunate enough to hear the splendid musical program at the High School graduation recognized musical ability and training of a very high order. I do not know of a college that could make as good a showing along musical lines. Surely the city is fortunate in having as its director of high school music a man so well qualified for the work as Mr. Sprague. Much of the ability of the pupils in musical lines is not of momentary growth, but of gradual development under the able directorship of Mrs. Eaton in the grades, and it is with regret that we have to accept her resignation.



## FAIRMOUNT SCHOOL

The new school on Thirteenth Street will be occupied this fall. There will be six grades and a kindergarten for the first year. One grade will be added each year until all the eight rooms are occupied. It is a modern, up-to-date structure of which the city can justly feel proud.

I am submitting the above facts, deductions and recommendations for your consideration, hoping that I may have gathered some information after my brief survey of the schools that may be of some interest to all. I am conscious that I have omitted to mention many meritorious facts, but both time and space prevent a more extended report. I always welcome constructive criticisms and shall be pleased to discuss the interests of education in the city whenever and wherever called upon to do it.

Appreciative of the many kindnesses at the hands of the most hospitable citizens of Bangor, I am pleased to submit this, my first annual report.

Respectfully submitted,

True C. Morrill,

Superintendent of Schools.

July 20, 1920.

## School Buildings owned by the City, 28 Buildings Rented for School Purposes, 8

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The High School, with an enrollment of 1080 pupils, has:

Offices for the Superintendent of Schools

Offices for the Principal

19 Class Rooms

7 Recitation Rooms

A Bookkeeping and Banking Room

A Stenography Room

A Typewriting Room

A Science Lecture Room, equipped with stereopticon

A Biology Laboratory

A Physiography Laboratory

A Chemical Laboratory

A Physics Laboratory

A Drawing Room for Mechanical Drawing

A Drawing Room for Freehand Drawing

2 Dark Rooms for Photography

1 Wood Working Room

1 Metal Working Room

1 Cooking Room with pantry and dining room connected

A Sewing Room

12 Storerooms

2 Teachers' Offices

2 Teachers' Reception rooms

A Library

A Lunch Room

2 Locker Rooms

2 Toilet Rooms

A Gymnasium with two dressing rooms adjoining.

An Assembly Hall with two ante-rooms adjoining stage

## EAST SIDE

Name of School	No. of Rooms	No. of Pupils
Abraham Lincoln.....	22	840
Center Street.....	4	234
Longfellow*.....	4	192
Elm Street*.....	4	197
State Street*.....	4	193
Forest Ave.....	2	61
Pearl Street*.....	4	104

## WEST SIDE

Name of School	No. of Rooms	No. of Pupils
Hannibal Hamlin.....	16	535
Valentine*.....	6	280
Pond Street.....	4	176
Larkin Street*.....	6	288
Bower Street*.....	4	182
Allen Street.....	2	110
Cottage Street.....	2	114
Third Street.....	1	36
Crosbyville.....	1	26
Hammond Street Kindergarten.....	1	45
Rural Schools.....	11	274

## NUMBER OF TEACHERS EMPLOYED

High School, 1 master, 1 sub-master and 40 assistants.....	42
Grammar grades, 2 principals and 26 assistants.....	28
Primary grades, teachers 48.....	48
Suburban schools, 11 teachers and 1 assistant.....	12
Kindergarten, 1 supervisor, 8 principals and 8 assistants.....	17
Special teachers, 6.....	6

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 153

\*Includes Kindergartens

## AVERAGE NUMBER OF PUPILS TO EACH TEACHER

High School.....	25
Grammar grades.....	41
Primary grades.....	44
Suburban schools.....	25
Kindergarten —Director and Assistant.....	40.

COST OF TUITION, INCLUDING SALARIES OF TEACHERS,  
JANITORS' SERVICE, FUEL, BOOKS AND SUPPLIES

	Per Term	Per Year
High School.....	\$20.00	\$60.00
Upper Grammar (6-9).....	10.00	30.00
Lower Grammar (4-5).....	10.00	30.00
Primary.....	10.00	30.00
Suburban.....	10.00	30.00

All tuition is due and payable each term in advance.

## GENERAL STATISTICS

Value of Bangor for 1920.....	\$26,208,853.00
Population of Bangor by census of 1920.....	25,978
Population between ages of 5 and 21 years.....	6,423
Total enrollment in public schools.....	4,496
Average enrollment in public schools.....	3,972
Enrollment of pupils in parochial and private schools approx .....	976
Percentage of school population in public and private schools .....	87%
Appropriation received from the city.....	\$142,504.02

## STATISTICS OF ATTENDANCE, 1919-20

	Faculty	Position	Education obtained at	Enrolled	No. of Boys	No. of Girls	Average Attendance	
1	Hal R. Eaton (2 wks.)	Principal	Bates	1136	538	598	1001	Year
2	Clarence W. Proctor.							
	(4 weeks)	Principal	Bowdoin	1125	532	593	1049	F
3	Mary C. Robinson	Dean	Smith	1061	491	570	1007	W
4	Mary B. Hutchings	English	Abbott	1016	462	554	958	S
5	Annie M. Pease	English						
6	Harvey D. Miller	English	Bowdoin					
7	Mary E. Utecht	English	Maine					
8	Sally E. Dow	English						
9	Harry D. O'Neil	English	Maine					
10	Pauline Mansur	English	Maine					
11	Mary F. McCann	English	Academy of Manhattanville					
12	Arlene M. Lethiecq	English						
13	Elmer T. Boyd	History	Bowdoin (A. B.) Harvard (A. M.)					
14	Mary L. Cousins	History	Maine					
15	Bertha C. Files	Math. Hist.	Bates					
16	Robert R. Webber	Math.	Colby					
17	Melvena V. Parker	Math.	Maine					
18	Peter W. Mitchell	Math. Ph. Dr.	Colby					
19	Bernice B. Dunning	Math.	Wellesley					
20	Mary F. Mahaney	Com'l Arith.	Bangor Commercial School					
21	Vivian L. Skinner	Math.	Colby					
22	Alma E. Clapp	Math.	Maine					

Terms: F, Fall; W, Winter; S, Spring.

Faculty	Position	Education obtained at
23 Mary L. Webster	Latin	Wellesley
24 Sue L. Hincks	Latin	Bates
25 Anna B. McSkimmon	Latin	Maine
26 Ella L. Pennell	Latin	Wellesley
27 Pauline A. Beaupre	French	Les Ureselines, France
28 Mabel A. Humphrey	French	Colby
29 Madeline F. Robinson	French	Maine
30 Frances Townsend	French	Wheaton
31 Isabelle Frawley	Spanish	Maine
32 Harold A. M. Trickey	Chemistry	Bates
33 George N. Varney	Physics	Maine
34 Grace . Hodgdon	Science	Maine
35 Willard H. Eaton	Commercial	Comer's Business College, Boston
36 Gilbert T. Buker	Bookkeeping	Bliss Business College, Boston
37 Valentine E. Kenney	Typewriting	Bryant & Stratton
38 Ethel M. Nichols	Shorthand	Simmons
39 Ethel C. Pfaff	Art	Bryn Mawr
40 Adelbert W. Sprague	Music	Maine—Harvard
41 Stasia J. Scribner	Elocution	Emerson
42 Alden B. Hayes	Man'l T.	Maine
43 Elizabeth E. Harrigan	Dom. Sci.	Maine
44 Everett K. Jenkins	Shops	N. H. State
45 Walter D. McCord	Capt. U. S. Inf.	Military Science, R. O. T. C. (Reserve Officers' Training Corps). (This is the only corps in Maine, there being only five in New England.)

**Resignations:** 1, Hal R. Eaton; 2, C. W. Proctor; Annie M. Pease; 3, Elmer T. Boyd (effective Jan. 1, 1921); 4, Robert R. Webber; 5, Sally E. Dow; 6, Stasia J. Scribner; 7, Ethel M. Nichols; 8, Grace H. Hodgdon; 9, Frances Townsend; 10, Everett K. Jenkins.

**Appointments:** 1, C. W. Proctor; 2, H. A. M. Trickey; (Sub. Master); 3, Irene Cousins (Head of Dept. after Jan, 1, 1921); 4, Cecil D. MacIlroy; 5, Margaret M. Carroll; 6, Hope Buxton; 7, Elsie G. Floyd; 8. Emily M. Roseland; 9, Charlotte Jennison; 10, C. Everett Holyoke (Wood Shop); 11, Harriet Sweetsir; New: Pauline I. Beaupre; Otis H. Ginn (Machine Shop); Miss Fannie Robinson) returning after leave of absence).

Positions correspond by number.

Faculty	Position	Education obtained at
<b>Special Teachers:</b>		
Mrs. G. F. Eaton	Music	
Mary Alexander	Writing	Cottage City
Mrs. Valentin Henneman	Drawing	N. Y. Sch. Fine Arts
C. A. Noyes, Grades	Manual Training	
Theresa Pretto, Asst.	Domestic Science	Maine
Ruth Crosby, Asst.	Domestic Science	Maine and Wheaton

Grade	Education obtained at
<b>Abraham Lincoln School:</b>	
Herbert Poole, Principal, .....	Castine
Alma L. Davis, IX.....	Bangor High.....
Minnie E. McCarthy, IX.....	Bangor Tr. School..
Lillian C. McCarthy, IX.....	Bangor Tr. School..
Katherine Quigley, VIII.....	Castine.....
Nellie L. Beatty, VIII.....	Presque Isle.....
Lucy B. Lunt, VIII.....	Farmington.....
Helen J. Mountaine, VII-VIII.....	Bangor Tr. School..
Agnes A. Mullaney, VII.....	Bangor Tr. School..
Mary A. Bridgham, VII.....	Castine.....
Sadie R. Blaisdell, VI.....	Bangor Tr. School..
Kathryn T. Preble, VI.....	Bangor Tr. School..
Frances P. Atwater, VI.....	Machias.....
Alice M. Collins, V.....	Castine.....
Nellie P. Blaisdell, IV-V.....	Bangor Tr. School..
Augusta Mountaine, V.....	Bangor Tr. School..
Nettie M. Howard, IV.....	Brewer High.....
Sarah A. Ryder, IV.....	Bangor Tr. School..
Pauline F. Pretto, IV.....	Castine.....
Mabel M. Drinkwater, II-III.....	Bangor Tr. School..
Lucie W. Preble, I.....	Farmington.....



Total Enrollment	No. of Boys	No. of Girls	Average Attendance
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..	41	21	20	34
..	47	21	26	37
..	34	15	19	32
..	38	19	19	35
..	52	22	30	41.3
..	51	22	29	40.8
..	39	21	18	38
..	50	24	26	41.49
..	51	23	28	43.9
..	39	16	23	34
..	39	20	19	35
..	43	18	25	33
..	49	26	23	42
..	46	23	23	41—49
..	48	25	23	39
..	45	24	21	39
..	45	25	20	37
..	46	23	20	39
..	45	29	16	38
..	34	19	15	23

Grade	Education obtained at	
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#### **Hannibal Hamlin School:**

Charles P. Allen, Principal.....	Bates College
Annie M. Ervine, IX.....	Bristol High.....
Annie L. Roney, IX.....	Bucksport Sem.....
Kate M. Allamby, IX.....	Bangor Tr. School....
Sara L. Field, VIII.....	Bangor Tr. School....
Mae O. Straw, VIII.....	Bangor High.....
Gertrude E. Fogg, VII.....	Bangor Tr. School....
Ann E. Neville, VIII.....	Bangor Tr. School....
Lilla E. Curtis, VI-VII.....	Bangor Tr. School....
Flora E. Whitley, VII.....	Bangor Tr. School....
Mary E. Lynch, VII.....	Gorham.....
Mary T. Gibbons, VI.....	Bangor Tr. School....
Esther M. Curran, VI.....	Gorham.....
Annie F. Moore, VI.....	Farmington.....
Mary M. Vose, VI.....	Machias.....

#### **Valentine School:**

Bessie McCoy, V.....	Bangor Tr. School....
Mrs. Mabel F. Dennett, IV.....	Bangor Tr. School....
Elizabeth Nickerson, III.....	Bangor Tr. School....
Mary C. Gallagher, II.....	Bangor Tr. School....
Gertrude Simpson, I.....	Bangor High.....

Total Enrollment	No. of Boys	No. of Girls	Average Attendance
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39	16	23	37
31	17	14	29—
34	18	16	28
33	16	17	26
30	13	17	26
34	19	15	32
33	15	18	27
42	21	21	36.3
43	20	23	34.7
38	15	23	33.2
44	25	19	39—
47	22	25	35
44	22	22	39
31	9	22	27

50	20	30	41
43	17	26	33
45	17	28	33½
46	29	17	33
40	14	26	25

Grade	Education obtained at
<b>Pond Street School:</b>	
Marion J. Mullen, V.....	Bangor Tr. School....
Jessie Lord, IV.....	Bangor Tr. School....
Eva W. Stewart, II-III.....	Bangor Tr. School....
Nellie G. Curley, I.....	Castine.....
<b>Center Street School:</b>	
Mary E. Sullivan, VI.....	Orono High.....
Ruby M. Gould, V.....	Castine.....
Hope Robinson, II-III.....	Castine.....
Elizabeth A. Norton, I.....	Bangor Tr. School....
<b>Longfellow School:</b>	
Augusta P. Kirstein, IV-V.....	Bangor Tr. School....
Anna A. Jones, II-III.....	Bangor Tr. School....
Grace E. Gallagher, I-II.....	Gorham.....
<b>Elm Street School:</b>	
Harriet L. Mosher, III.....	Castine.....
Margaret M. Gallagher, II.....	Gorham.....
Lois P. Hutchins, I.....	Gorham.....

Total Enrollment	No. of Boys	No. of Girls	Average Attendance
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42	19	23	39
47	14	33	42
48	21	27	40
27	11	16	19.4

40	18	22	34.4
49	17	32	37.1
54	29	25	20
59	30	29	34

41	23	18	34
46	25	21	32.9
41	22	19	34

36	21	15	31
40	19	21	28
46	29	17	37

Grade	Education obtained at
<b>Larkin Street School:</b>	
Mary A. Walsh, V.....	Bangor Tr. School.
Helen C. Hickson, IV.....	Gorham.....
Bernice S. Welch, III.....	Bangor Tr. School.
Frances K. Donovan, II.....	Bangor Tr. School.
B. Teresa Curran, I.....	Bangor Tr. School.
<b>Bower Street School:</b>	
Margaret S. Hamilton, IV.....	Bangor Tr. School.
Maud H. Morse, II-III.....	Castine.....
Blanche Calligan, I.....	Farmington.....
<b>State Street School:</b>	
Mary A. Spratt, III.....	Bangor High.....
Eunice R. Coney, II.....	Bangor Tr. School.
Helen L. Donnelly, I.....	Bangor Tr. School.
<b>Pearl Street School:</b>	
Mary Clayton, II-III.....	Bangor Tr. School.
Mary Clayton, II-III.....	Bangor Tr. School.
Louise A. O'Connor, I.....	Gorham.....

	Total Enrollment	No. of Boys	No. of Girls	Average Attendance
...	44	26	18	38
...	28	16	12	22
...	41	19	22	33
...	32	21	11	27
...	40	22	18	33.1
...	41	20	21	34
...	41	19	22	20
...	42	16	26	21.6
...	28	12	16	21.6
...	38	17	21	29
...	42	21	21	30
...	47	290	18	
...	47	29	18	35
...	38	15	23	31

Grade	Education obtained at
<b>Cottage Street School:</b>	
Alzada C. Withee.....	Bangor Tr. School...
Nellie I. Gale, I.....	Fredericton Normal .
<b>Allen Street School:</b>	
Marion L. Rogan, II-III.....	Gorham.....
Marion D. Buzzell, I.....	Gorham.....
<b>Third Street School:</b>	
Sarah M. Malone, V.....	Gorham.....
Elizabeth A. McCaw, I.....	Bangor Tr. School...
<b>Forest Avenue School:</b>	
Mildred F. Cousins, I.....	St. Joseph's.....
Mrs. Cross.....	
<b>Crosbyville School:</b>	
Bertha M. Cushman, I-III.....	Bangor Tr. School...



Total Enrollment	No. of Boys	No. of Girls	Average Attendance
62	31	31	44
39	16	23	25
53	25	28	44
37	19	18	25
41	27	14	31
38	21	17	25.5
33	19	14	22.6
29	14	15	21.8
27	15	12	20

Grade	Education obtained at
<b>Surburban Schools:</b>	
<b>Mount Hope:</b>	
Lenora M. Brown.....	Farmington.....
<b>Stillwater Avenue:</b>	
Irene C. Getchell.....	Bangor Tr. School
<b>Bagley:</b>	
Carrie H. Rowe.....	Castine.....
<b>Hillside:</b>	
Edna G. McLaughlin.....	Bucksport Sem....
<b>Sherburne:</b>	
Margaret M. Carroll.....	U. of M.....
<b>Central:</b>	
Amy T. Perry.....	Johnson Normal..
<b>North Bangor:</b>	
Emma Nickels.....	Castine.....
Allene Chase, Asst.....	Bangor High.....
<b>Avenue:</b>	
Beatrice Parsons.....	Castine.....
<b>Odlin:</b>	
Grace M. Reed.....	Machias.....

	Total Enrollment	No. of Boys	No. of Girls	Average Attendance
...	23	11	12	14.8
...	25	14	11	18
...	23	10	13	19
...	15	13	2	13
...	22	12	10	19.2
...	30	13	17	16
...	33	22	11	29.3
...	23	12	11	17
...	17	8	9	13.7

Grade	Education obtained at
<b>Tyler:</b>	
Clara L. McEacharn.....	Machias.....
<b>Fuller:</b>	
Frances R. Cowan.....	Gorham.....
<b>Kindergartens—Supervisor, Nellie E. Brown</b>	
<b>State Street:</b>	
Margaret H. Belden, Dir.....	Bangor Kg. Tr. Sch..
Madeline F. Winter, Asst.....	Perry Kg. Normal...
<b>Elm Street:</b>	
Katherine L. Durgin, Dir.....	Bangor Kg. Tr. Sch..
Ruth Holmes, Asst.....	
<b>Longfellow:</b>	
Adelaide L. Mansur, Dir.....	Bangor Kg. Tr. Sch..
Mary A. Reilly, Asst.....	Bangor Kg. Tr. Sch..
<b>Valentine:</b>	
Grace E. Glass, Dir.....	Bangor Kg. Tr. Sch..
Elsie M. Lyon, Asst.....	Bangor Kg. Tr. Sch..

Total Enrollment	No. of Boys	No. of Girls	Average Attendance
21	9	12	12
12	7	5	8.3
49	23	26	34
48	27	21	25
45	19	26	30
47	22	25	26

Grade	Education obtained at	Total Enrollment	No. of Boys	No. of Girls	Average Attendance
<b>Bower Street:</b>					
Alice E. Moore, Dir. ....	Bangor Kg. Tr. School	41	13	28	24
Mary E. Mooney, Asst. ....	Bangor Kg. Tr. Sch...				
<b>Larkin Street:</b>					
Eleanor A. Herlihy, Dir. ....		40	23	17	25
Frances E. Longfellow, Asst. ....	Wheelock Kg. Tr. Sch.				
<b>Pearl Street:</b>					
Ethlyn M. Steward, Dir. ....		38	19	19	22
Gertrude Lord, Asst. ....	Bangor Kg. Tr. Sch ..				
<b>Hammond Street:</b>					
Virginia Dillingham, Dir. ....	Bangor Kg. Tr. Sch...	48	20	18	32
Anna L. Ferguson, Asst. ....	Bangor Kg. Tr. Sch...				
<b>Substitutes:</b>					
(Mrs.) Edna M. Mills. ....	Bangor Tr. School				
(Mrs.) Jennie L. Menges. ....	Bangor High				
(Mrs.) Rose M. Holland. ....	Bangor Tr. School				
(Mrs.) Ellen F. Cross, ....	Farmington				
(Mrs.) Aimee L. A. Culley. ....	Castine				

Grade	Education obtained at	Total Enrollment	No. of Boys	No. of Girls	Average Attendance
<b>Bower Street:</b>					
Alice E. Moore, Dir. ....	Bangor Kg. Tr. School	41	13	28	24
Mary E. Mooney, Asst. ....	Bangor Kg. Tr. Sch...				
<b>Larkin Street:</b>					
Eleanor A. Herlihy, Dir. ....		40	23	17	25
Frances E. Longfellow, Asst. ....	Wheelock Kg. Tr. Sch.				
<b>Pearl Street:</b>					
Ethlyn M. Steward, Dir. ....		38	19	19	22
Gertrude Lord, Asst. ....	Bangor Kg. Tr. Sch ..				
<b>Hammond Street:</b>					
Virginia Dillingham, Dir. ....	Bangor Kg. Tr. Sch...	48	20	18	32
Anna L. Ferguson, Asst. ....	Bangor Kg. Tr. Sch...				
<b>Substitutes:</b>					
(Mrs.) Edna M. Mills. ....	Bangor Tr. School				
(Mrs.) Jennie L. Menges. ....	Bangor High				
(Mrs.) Rose M. Holland. ....	Bangor Tr. School				
(Mrs.) Ellen F. Cross, ....	Farmington				
(Mrs.) Aimee L. A. Culley. ....	Castine				

## DIRECTORY OF TEACHERS, 1919-20

Schools	Teachers' Names	Grades	Addresses
High . . . . .	Hal R. Eaton, Prin . . . . .		216 Center
	Mary T. Driscoll, Clerk . . . . .		70 Fern
	Clarence W. Proctor, Sub-Master . . . . .		485 French
	*Mary C. Robinson, Dean . . . . .		44 Thatcher
	Annie M. Pease . . . . .		54 Penobscot
	*Mary B. Hutchings . . . . .		304 N. Main, Brewer
	Mary L. Webster . . . . .		174 Main
	*Elmar T. Boyd . . . . .		251 French
	*Mme. Pauline A. Beaupre . . . . .		396 Hammond
	*Fannie H. Robinson . . . . .		142 Hammond
	*Mabel A. Humphrey . . . . .		50 Leighton
	Harold A. M. Trickey . . . . .		275 Pine
	Bertha C. Files . . . . .		101 Maple
	*Willard H. Eaton . . . . .		123 Center
	Sue L. Hincks . . . . .		30 Bower
	Anna McSkimmon . . . . .		94 Third
	Ethel C. Pfaff . . . . .		57 Ohio
	Peter W. Mitchell . . . . .		179 Maple
	Stasia J. Scribner . . . . .		The Lowder
	George N. Varney . . . . .		7 Fourth St. Place
	Bernice B. Dunning . . . . .		156 Cedar
	Ethel M. Nichols . . . . .		13 Hudson
	Mary F. Mahaney . . . . .		70 Sidney
	Harry D. O'Neil . . . . .		143 Maple
	Ella L. Pennell . . . . .		71 Ohio
	Madeline F. Robinson . . . . .		463 Main
	Isabelle F. Frawley . . . . .		84 Ohio
	Valentine E. Kenney . . . . .		132 Park
	Melvina V. Parker . . . . .		13 Hudson
	Alma E. Clapp . . . . .		219 Center, Brewer
	Gilbert T. Buker . . . . .		79 Birch

\*Heads of Departments



Schools	Teachers' Names	Grades	Addresses
High.....	Robert R. Webber.....		114 Forest Ave.
	Mary E. Utecht.....		93 State
	Mary L. Cousins.....		82 No. M. St., Brewer
	Vivian L. Skinner.....		93 State
	Frances O. Townsend.....		38 Forest Ave.
	Sally E. Dow.....		443 Hammoud
	Harvey D. Miller.....		46 Kenduskeag Ave.
	Hilda Hodgdon.....		446 Hammond
	Pauline Mansur.....		3 Third
	M. Frances McCann.....		135 Cedar
	*Walter D. McCord, Capt. Inf. U. S. A.....		148 Essex
	<b>Special Teachers</b>		
	*Alden B. Hayes.....		6 Blackstone
	*Ethel E. Harrigan.....		319 State
	Everett K. Jenkins.....		98½ Union, Brewer
	Adelbert W. Sprague, H. S. Music.....		217 Union
	<b>Medical Inspectors</b>		
	Dr. H. L. Robinson		
	Dr. Blanche K. Mansfield		
Abraham Lincoln Tel. 1868-M	Herbert Poole, Prin.....		29 Palm
	Alma L. Davis.....	IX.....	179 Birch
	Minnie E. McCarthy.....	IX.....	17 Birch
	Lillian C. McCarthy.....	IX.....	17 Birch
	Katherine Quigley.....	VIII.....	98 Fern
	Nellie L. Beatty.....	VIII.....	38 Norway Rd.
	Lucy B. Lunt.....	VIII.....	S. Brewer, R. F. D.

\*Heads of Departments

Schools	Teachers' Names	Grades	Addresses
Abraham Lincoln Tel. 1868-M	Helen J. Mountaine .....	VII & VIII .....	21 Adams
	Agnes M. Mullaney .....	VII .....	41 Birch
	Mary A. Bridgham .....	VII .....	133 Fourth
	Sadie R. Blaisdell .....	VI .....	277 Forest Ave.
	Kathryn T. Preble .....	VI .....	15 Elm
	Frances P. Atwater .....	VI .....	9 Boynton
	Alice M. Collins .....	V .....	40 E. Summer
	Nellie P. Blaisdell .....	V .....	277 Forest Ave.
	Augusta Mountaine .....	V .....	21 Adams
	Nettie M. Howard .....	IV .....	Brewer
	Sarah A. Ryder .....	IV .....	213 Grove
	Pauline F. Pretto .....	IV .....	50 Pine
	Mabel M. Drinkwater .....	II & III .....	135 Elm
	Lucie W. Preble .....	I .....	15 Elm
Hannibal Hamlin Tel. 1945-M	Charles P. Allen, Prin. ....	.....	141 Ohio
	Annie M. Ervine .....	IX .....	21 Ohio
	Annie L. Roney .....	IX .....	76 Summer
	Kate M. Allamby .....	IX .....	239 Ohio
	Sara L. Field .....	VIII .....	12 Autumn
	Mae O. Straw .....	VIII .....	Union R. F. D
	Gertrude E. Fogg .....	VIIA .....	277 Hammond
	Ann E. Neville .....	VIII .....	109 Elm
	Lilla E. Curtis .....	VII .....	156 Chamberlain St., Brewer
	Flora E. Whitley .....	VII .....	R. F. D. No. 8
	Mary E. Lynch .....	VII .....	195 Maple
	Mary T. Gibbons .....	VI .....	66 Third
	Esther M. Curran .....	VI .....	112 Birch
	Annie F. Moore .....	VI .....	64 Court
	Mary M. Vose .....	VIA .....	144 Essex

Schools	Teachers' Names	Grades	Addresses
Valentine....	Bessie McCoy, Prin.....	V.....	28 Maple
	Mrs. Mabel F. Dennett.....	IV.....	112 Fourth
	Elizabeth Nickerson.....	III.....	170 Third
	Mary C. Gallagher.....	II.....	83 First
	Gertrude Simpson.....	I.....	28 Second
Pond St.....	Marion J. Mullen, Prin.....	V.....	431 Hammond
	Jessie Lord.....	IV.....	13 Pond
	Eva W. Stewart.....	II & III .....	57 Fifth
	Nellie G. Curley.....	I.....	38 Pier
Center St ...	Mary E. Sullivan, Prin.....	VI.....	22 Garland
	Ruby M. Gould.....	IV & V.....	67 Curve
	B. W. Kinney.....	II, III.....	493 French
	Elizabeth A. Norton.....	I.....	66 Madison
Longfellow ..	Augusta P. Kirstein, Prin.....	IV & V.....	375 Center
	Anna A. Jones.....	II & III .....	120 Center
	Grace E. Gallagher.....	I.....	11 Birch
Elm St.....	Harriet L. Mosher, Prin.....	III.....	242 Essex
	Margaret M. Gallagher.....	II.....	11 Birch
	Lois P. Hutchins.....	I.....	235 Essex
Larkin St....	Mary A. Walsh, Prin.....	V.....	31 Sidney
	Helen C. Hickson.....	IV.....	26 Brown
	Bernice S. Welch.....	III.....	31 March
	Frances K. Donovan.....	II.....	22 Barker
	B. Teresa Curran.....	I.....	32 Carroll

Schools	Teachers' Names	Grades	Addresses
Bower St....	Margaret S. Hamilton, Prin.....	IV.....	59 Dillingham
	Maud H. Morse.....	II & III.....	171 Highland
	Blanche Calligan.....	I.....	22 Sixteenth
State St....	Mary R. Spratt.....	III.....	139 Center
	Eunice R. Coney.....	II.....	60 Fern
	Helen L. Donnelly.....	I.....	16 Hudson
Pearl St....	Mary Clayton.....	II & III.....	6 Coombs
	Louise A. O'Connor.....	I.....	30 Otis
Cottage St..	Alzada C. Withee.....	II & III.....	71 Holland
	Nellie I. Gale.....	I.....	68 Jefferson
Allen St....	Marion L. Rogan.....	II & III.....	26 Highland Lane
	Marion D. Buzzell.....	I.....	195 Third
Forest Ave .	Hope Robinson.....	II & III.....	291 Wilson, Brewer
	Mildred F. Cousins.....	I.....	32 Essex
Third St....	Sarah M. Malone.....	V.....	50 Sidney
	Elizabeth A. McCaw.....	I.....	51 Holyoke St., Brewer
Crosbyville..	Bertha M. Cushman.....	I, II & III.....	29 Holland
Suburban Schools			
Mount Hope	Lenora M. Brown.....		15 Newbury
Stillwater Ave	Irene C. Getchell.....		Kittredge Rd.
Bagley.....	Carrie H. Rowe.....		Essex
Hillside.....	Edna G. McLaughlin.....		23 Fourth

Schools	Teachers' Names	Grades	Addresses
Sherburne...	Margaret M. Carroll.....		182 York
Central.....	Amy T. Perry.....		Ohio
N. Bangor	Emma Nickels.....		Ohio
	Allene Chase, Asst.....		Ohio
Avenue.....	Beatrice Parsons.....		Union
Odlin.....	Grace M. Reed.....		Odlin, R. F. D. No. 2
Tyler.....	Clara L. McEacharn.....		Hammond
Fuller	Frances R. Cowan.....		21 Harlow, Brewer
	Kindergartens		
	Nellie E. Brown, Supervisor		29 James
State St.....	Marguerite H. Belden, Director.....		147 Essex
	Madeline F. Winter, Asst.....		149 Webster Ave.
Elm St	Katherine L. Durgin, Director.....		77 Center
	Ruth Holmes, Asst.....		147 Essex
Longfellow ..	Adelaide L. Mansur, Director.....		15 Somerset
	Mary A. Reilly, Asst.....		84 Cedar
Valentine....	Grace E. Glass, Director.....		29 James
	Elsie M. Lyon, Asst.....		735 Main
Bower St....	Alice E. Moore, Director.....		141 Ohio
	Bertha B. Palmer, Asst.....		31 Winter
Larkin St ...	Eleanor A. Herlihy, Director.....		100 Forest Ave.
	Francis E. Longfellow, Asst.....		149 Webster Ave.
Pearl St.....	Gertrude F. Lord, Director.....		123 Center
	Mary E. Mooney, Asst.....		87 Second
Hammond St.	Virginia Dillingham.....		114 Forest Ave.
	Anna L. Ferguson, Asst.....		39 Fourth

Schools	Teachers' Names	Grades	Addresses
	Special Supervisors		
Music.....	Mrs. G. F. Eaton.....		29 James
Writing.....	Mary Alexander.....		28 Congress
Drawing....	Mrs. Valentin Henneman.....		199 Main
Manual			
Training....	Alden B. Hayes, Director.....		6 Blackstone
	Everett K. Jenkins, Asst.....		98½ Union, Brewer
	C. A. Noyes, Asst.....		Orono
Domestic			
Science.....	Ethel E. Harrigan, Director.....		319 State
	Theresa Pretto, Asst.....		50 Pine
	Ruth Crosby, Asst.....		223 State

## EVENING SCHOOL

H. A. M. Trickey, Director

Alden B. Hayes

Everett K. Jenkins

Robert W. Webber

Valentine E. Kenney

Ethel M. Nichols

Mary F. Mahaney

Theresa Pretto

A. Jacob Rich

Open—Monday, Tuesday and Thursday Evenings from 7.30 to 9.30 o'clock.

## MEDICAL INSPECTORS

Dr. H. L. Robinson, Chairman

Dr. Blanche Mansfield, Secretary

Dr. L. S. Mason

Dr. A. E. Small

Dr. Hugh F. Dolan

Dr. Harry W. Osgood

Dr. Geo. B. Caulfield

Dr. Herbert Scribner

Regular Meeting of Medical Inspectors, the second Tuesday of each month at 7.30 P. M.

## Report of the Principal of the High School

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*To True C. Morrill, Superintendent of Schools,*

Dear Sir:—I beg leave to submit the following report of the work of the Bangor High School for the school year 1919-1920.

The registration for the past year numbered 1148 an increase of 68 pupils or 6.3%.

### PROGRAM DIFFICULTIES

The large classes at the beginning of the year required some exchanges of rooms and delayed getting settled to work. The number of elective blanks received from the 10th Grade in June was 228 while the registration of that class in September was 381, necessitating readjustment of divisions. One 10th Grade teacher was obliged to teach in another school system for four weeks before coming to us. As finally arranged our classes used every room in the building with the exception of two small rooms each of which was unoccupied one period in the day. These conditions gave a program of no flexibility so that changes at the end of the first semester were very difficult to work out.

### CHANGES RECOMMENDED

There is no reason to expect that we have reached the limit in the number of pupils who will wish to come to us, although it

will be impossible to accommodate very few in excess of our present numbers. It seems as though we must refuse to accept the tuition pupils who are not prepared to do the work of the school and such of the tuition pupils as give evidence of not profiting by their work with us. Bangor has, however, a duty to perform in the case of those pupils from the surrounding towns who are prepared for High School, show interest in the work and are profiting by it. Under no circumstances would I advocate rejecting such pupils. Dividing the grade room in the basement and installing a folding partition in the Physics room will give us two extra recitation rooms which are badly needed. If we might have desks placed in the lecture room it would provide another home room for the commercial students, a room in which they might really study, as well a room for one of the Penmanship and Spelling classes. These changes are vital. They should be made if possible.

### FACULTY CHANGES

The resignation of Principal Hal R. Eaton a few weeks before the close of the year was a severe loss to the school. All of us—pupils and teachers—who had the privilege of working with and for him, can testify to his ability as an educator and to the fine spirit of cooperation which he aroused in both teachers and pupils, thereby placing Bangor High School in the very front rank of New England schools.

Miss Fannie A. Robinson has spent a year's leave of absence at Radcliffe. It is a pleasure to learn that she is to return to us next fall. The school is fortunate to have the benefit of her experience and ideas gained from the year's work.



In the English department, Nellie M. Worth, Helen V. Bransfield, C. Imogen Wormwood and Gladys G. Reed resigned; from Latin and Greek, Alice E. Wormwood; from History, Irene Cousins and Marion W. Hunt; from Elocution, Stasia J. Scribner; from Music, Mrs. George F. Eaton; from Science, Margaret L. Holyoke; from Physical Director for Girls, Emily F. Lee.

Teachers were appointed to the faculty as follows: English, Harvey D. Miller, Mary E. Utecht, Sally E. Dow, Pauline Mansur and M. Frances McCann; Mathematics, Robert R. Webber and Vivian L. Skinner; French, Frances Townsend; Science, Hilda Hodgdon; Music, Adelbert W. Sprague; History, Mary L. Cousins and Arlene M. Lethiecq.

While the resignation of so many teachers who had been in the school for several years was a considerable handicap, yet we were extremely fortunate in securing teachers who readily fitted themselves into the system and worked for the good of the school. All things considered, I think we may say that the work of the school has been up to its usual high standard.

### EXTRA-CURRICULUM ACTIVITIES

The activities of our school outside of the regular curriculum are particularly broad. By these activities we develop the talents of our pupils along many lines. One of the prime purposes of high school education is to produce leaders. Nearly every pupil has some special talent. We ought to recognize that ability, develop it and build upon it. As the work is optional, and so taken only by those particularly interested the progress made is very noticeable. I am personally in favor of granting diploma credits for work done outside of school under competent

instructors by those who have special talents in singing and instrumental music.

Special reports from the instructors in some of the extra-curriculum activities of the school follow as a part of the Principal's report.

### THE HIGH SCHOOL BAND

Balance on hand September 15, 1919 . . . .	\$237.91	
Receipts for year . . . . .	452.57	
	<hr/>	\$690.48
Expenditures . . . . .	\$588.28	
Balance on hand June 26, 1920 . . . . .	102.20	
	<hr/>	\$690.48

Instruments owned by the band:

3 E-flat basses (one cannot be used again), 1 piccolo, 2 baritone, 1 snare drum, 1 bass drum, 1 pair of cymbals. The instruments needed for a complete instrumentation are 4 B-flat clarinets and 2 E-flat altos.

The members comprising the clarinet section are all either Seniors or Juniors. This means that unless new members take up the clarinet, the band will soon be without a clarinet section.

Examinations for the different sections in the band will be held during the first week of school. For the rest of the school year, a member's position in the band will depend upon his attendance at rehearsals, engagements and his interest in the organization.

Some of the important engagements which the band has filled during the past school year are as follows:

Bangor—Portland Football game at Portland.

Teachers' Convention.

Mayor's Inauguration.

Concert and Dance at City Hall given by the band.

Military Ball given by Junior R. O. T. C.

The outing with the R. O. T. C. at Orrington.

The reception for General Pershing.

### THE HIGH SCHOOL ORCHESTRA

The High School Orchestra for the year 1919-1920 numbered 61 players. Rehearsals were held on Wednesday afternoons throughout the school year. The orchestra took part in the Friday morning chapel exercises, marching the school in and out of the assembly hall, furnishing a concert number, and accompanying the singing of the national anthem, assisted in a program in the High School assembly hall by the Abraham Lincoln School, besides playing at the Junior Exhibition, the Penobscot County Teachers' Convention and the Graduation.

The orchestra owes much to Mrs. George F. Eaton for the interest she has stimulated in the young people and for the grade of efficiency to which she has developed the organization. The orchestra has attained symphonic dimensions, and only a certain balancing in the instrumental groups is needed to make it quite ideal for the performance of standard orchestral literature.

A distinct advance has been made this year along this line. Upon beginning rehearsals in the fall the orchestra had no viola section whatever, but soon after the holidays a fund that had been raised by giving concerts a few years ago was utilized for the purchase of four violas. Four young men engaged in the study of the instrument with enthusiasm and diligence. The school is indebted to Mr. Horace M. Pullen, who not only instructed the viola class gratis but admitted the players to the

final rehearsals of the Symphony Orchestra. Next fall they will become regular members of the larger organization.

The school orchestra is in need of more contra-basses, there being but one at the present. An instrument is now available at a bargain and an option has been secured on it which should be taken advantage of at once. The cost will be about \$75.00 including putting the instrument in good condition. This contra-bass was brought back from France by one of the service men, a Bangor musician. No fund is available at present and a splendid opportunity presents itself for public-spirited citizens wishing to encourage the school music to establish an instrument fund. Such instruments as the viola, contra-bass and certain wind instruments which are used quite exclusively in large orchestras should be owned by the school. Plenty of talented boys and girls are always ready to take up these instruments and many musicians of the city are glad to help the school orchestra by donating instruction and coaching. Every encouragement should be provided for the work and development of the High School Orchestra. Not only is it valuable to the young players themselves, but as a training for the Symphony Orchestra its influence in the community's musical life cannot be overestimated.

### DEBATING SOCIETIES

No boy or girl goes through Bangor High School without the opportunity to secure training in debating and oral discussion. As a member of the Tenth or Eleventh Grade a boy may join the House, where he learns something of parliamentary procedure and is shown the rudiments of formal debating. The Juniors and Seniors have the privilege of joining the Senate

where they have opportunity to apply their skill in interscholastic contests.

The Girls Debating society is open to any of the girls in school and the members are eligible for the interscholastic debates.

The combined membership of the three societies for the year 1919-1920 numbered 75 members. Formal debates were held during the year on such subjects as labor problems, athletic field, Plum Plan for the railroads, widening of Central Street and the National and timely question of Immigration. In addition to the work of formal debating two mock trials and a banquet with after dinner speaking completed an extremely valuable kind of work the sole purpose of which is to train boys and girls to put thoughts together coherently while on their feet and to give practice in the difficult art of expressing their thoughts in the most effective manner.

The work of next year should be even more successful than this year's work. Mr. Miller, who has acted as faculty adviser to the two boys' societies will go on with the work next fall, while Miss Mary Robinson will continue the work with the Girls' Society.

The societies were represented in the Bates College Interscholastic Debating League. Although losing in both debates, the work was of a character to reflect credit upon the speakers and the school. Our purpose, as stated above, has been to train boys and girls to think and to express those thoughts in clear forceful English rather than to have them learn a set speech which might be embellished by elocutionary arts. Although we feel that our aim lost the debate for us, yet we are satisfied that the benefit to the students has been many times as great as it would have been had our object been simply to win.

## THE GIRL CADETS

The Bangor High School Girl Cadets for the year 1919-1920 consisted of a battalion of two companies, from the Freshman and Sophomore classes. These companies numbered forty and fifty girls respectively and were officered by members of the Senior class who had drilled previously. The work consisted of close order and fancy drills given with the idea of developing an erect carriage, team work and obedience, with setting up exercises for the purpose of learning the different sets.

During the year the Girl Cadets attended several functions of a public nature and finished their year's work with a drill and ball given in City Hall, the proceeds being used to purchase books for the High School Library and a set of bleachers for the use of the Girl Cadets on the Athletic Field.

## THE JUNIOR R. O. T. C.

Under the instruction of Captain Walter D. McCord, Inf. U. S. A., the boys of the Junior Reserve Officers Training Corps have made good progress in work that interests them, benefits them as individuals and citizens and is useful to the country. In these times boys should learn to submit to constituted authority, to show respect to others, to live together and to work together for the common good. We feel that the R. O. T. C. is teaching these things. The boys were fully equipped with uniforms and rifles and have presented a splendid appearance upon the occasions when they have taken part in celebrations and parades.

## ATHLETICS

The school has had a successful year in athletics under the coaching of Captain McCord and the financial management of Mr. Mitchell. There can be no question as to our claim for championship honors in both football and basketball. The thanks of the school are due also to the members of the Athletic Council, especially to the Alumni members for their thoughtful and painstaking care in directing the athletic work of the school.

The girls of the school are being neglected in the line of physical education. The Girl Cadets organization reaches but a fraction of the girls and as times change from the conditions of the past few years, will appeal to fewer still. Miss Hodgdon did some work with the girls in basketball but we need a regular instructor for girls work to parallel that being done for the boys.

## ART DEPARTMENT

The Art Department under the instruction of Miss Pfaff is accomplishing wonders for the boys and girls of the school who have talent in that direction. Visitors to the school are always enthusiastic over the work and tell us that it cannot be equalled by that of any school in New England.

## LIBRARIAN

Would it not be possible for the school to share the expense of a Librarian for the school library with the public library? The school using the services of a girl for part of the time and the public library employing her for the remainder of the day. Such a person would do much in co-ordinating the work of the two libraries, knowing as she would the resources of both.

### THE JUNIOR EXHIBITION

The work of the Junior Class in the exhibition at City Hall was up to the standard set by earlier classes. The speakers did credit to themselves, their class, their instructor and the school. The chorus numbers were splendidly rendered and the work of the orchestra was all that could be desired.

The school meets with a very great loss in the resignation of Mrs. Woodman (Miss Stasia J. Scribner). She has been a tower of strength in caring for the Tenth Grade Technical boys as well as in the preparation of the Juniors for their exhibition and the Seniors for graduation. Both the exhibition and graduation, under her direction, have been in the highest degree artistic productions of which the school and city have had reason to feel proud.

### DEAN

The work of the Dean has been of such importance that it seems fitting to give it the prominence of a separate report.

May I express my thanks to you and to the members of the School Board for the many favors shown during the brief time I have been at the head of the Bangor High School.

Respectfully submitted,

Clarence W. Proctor.



## Report from the Abraham Lincoln School

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*Mr. True C. Morrill, Superintendent of Schools:*

Dear Sir:—

The following is a brief report from the Lincoln school for the year 1919-1920.

Changes in Teachers:

Ninth Grade—Lillian C. McCarthy succeeded Frances B. Mosher.

Eighth Grade—Lucy B. Lunt succeeded Lillian C. McCarthy

Seventh Grade—Agnes M. Mullaney succeeded Ida E. Frost.

Mary A. Bridgham succeeded Winnie B. Andrews.

Sixth Grade—Frances P. Atwater succeeded Agnes M. Mullaney.

Fourth Grade—Pauline F. Pretto succeeded Mabel A. Weymouth.

Enrollment:

Entire registration, 871.

Permanent registration, 767.

Average attendance, 743.

Number not absent one-half day, 89.

Number of tuition pupils, 4.

Number in cooking classes, 60.

Number in sewing classes, 149.

Number in manual training classes, 188.

Number in graduating class, 104.

Number receiving regular promotion, 726.

Number receiving conditional promotion, 37.

Number not promoted, 20.

Distribution:

First grade in one room, 34.

Second grade, one-half room, 22

Third grade, one-half room, 23.

Fourth grade in three rooms, 132.

Fifth grade in three rooms, 141.

Sixth grade in two and one-half rooms, 103.

Seventh grade in two and one-half rooms, 122.

Eighth grade in two and one-half rooms, 121.

Ninth grade in two rooms, 83.

Advanced sixth grade, one-half room, 17.

Advanced seventh grade, one room, 39.

Advanced eighth grade, one room, 34.

Conditions:

Due to admitting pupils not belonging in our building, the second and third grade room has been too crowded to be satisfactory. To handle two grades in one room, the teacher should have fewer pupils than in straight grade work.

Our seventh and eighth grades have been too large to perform the required work as it should be done. Forty-nine pupils in one class cannot all recite during a thirty minute period. These pupils are not receiving the attention due children of their ages.

As reported last year, the gongs and outside doors are not in proper condition to assure safety in case of fire. The building

is being damaged considerably from lack of attention to the roof and foundation.

- Some of the water pipes are becoming so clogged with rust as to prevent maintaining proper sanitary conditions.

For the safety of the children, the fence back of the building should be repaired.

Due to the efforts of the teachers and the good will of the public, our Study is now an attractive and home-like room. We wish that you might find it convenient to add a bookcase with a few professional books.

Medal pupils:

Room Eighteen, Miriam Talberth.

Room Nineteen, Benjamin Dorsky.

Room Twenty, Frances Thatcher.

Respectfully submitted,

Herbert Poole, Principal.

## Report of the Hannibal Hamlin School

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*Mr. True C. Morrill, Superintendent of Schools:—*

The following is a report of the Hannibal Hamlin School for the year 1919-1920:

School opened in the fall with about the usual number of pupils, in spite of the fact that a fifth grade had already been assigned to another building.

Our grades have been too large for the past few years and we hope that with the opening of the new school, the increasing sixth grades will be small enough to allow the teachers to work to the best advantage.

The spirit on the part of both teachers and pupils has been excellent and we feel that we have finished a very profitable year.

The work of all the special teachers has been good and we feel that the pupils are gaining interest in the subjects taught. Mrs. Eaton will not again have charge of the music. She will be missed by both teachers and pupils.

The school nurses are doing splendid work and I hope this important part of the educational system will be continued.

A few repairs are always necessary.

The roof leaked badly this winter and the same repairs were made at the time, the roof should be thoroughly inspected and

put in good shape during the long vacation. The conductors also need cleaning and repairing. The stone steps need to be pointed up. Both side entrances need new thresholds. A steam pipe burst in room eight and the varnish was ruined. The whole room should be refinished. The fence on the lower side of the building needs to be braced.

It would be fine if a section in the farther corner could be double boarded to withstand the constant banging of the ball.

The boys use that part of the fence for a back-stop and the boards are cracked and loosened.

The windows need some attention and some of the sashes may need to be drawn and puttied.

I wish to take this opportunity to thank the teachers for their hearty cooperation throughout the year.

We are glad to welcome you, Mr. Morrill, and pledge you our best efforts for the best interest of the Bangor Schools.

Respectfully yours,

Chas. P. Allen, Prin.

## Report of Supervisor of Kindergartens

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*Mr. True C. Morrill, Superintendent of Schools:*

Dear Sir:—

In reviewing the year, September 13, 1919 to June 18, 1920, it is my purpose to give you a report of the numerical and educational status of the Bangor public kindergartens together with a brief mention of their social and moral value to the community in which they have existed for over a quarter of a century.

During the period mentioned 316 children have been enrolled in the eight kindergartens of the city, the attendance varying in the different sections according to prevailing conditions. Little children emerging from the protection and narrow confines of the home into the wider sphere of school life seem to be the ones to fall heir to so-called children's diseases with the result that, at such times, the average attendance of the kindergarten is lowered. Such a thing happened this year. Two epidemics prevailed quite generally—whooping cough and measles—with the appearance of a mild form of scarlet fever in one section.

Even though a splendid spirit of co-operation exists between the home and the kindergarten it has been necessary for the teachers on 483 different occasions to ascertain from mothers

the reason for children's abence or tardiness. In addition to this 942 social calls have been made in the homes. There have been 1073 registered visitors in the kindergarten—mothers, grandmothers, fathers, grandfathers, uncles and aunts.

Mothers' meetings have been held in the various kindergarten rooms. The general meetings in the high school have been addressed by Mrs. Alva R. Scott, Dr. H. D. North, Dr. Barbara Hunt, Mr. Alden B. Hayes and Professor J. J. Martin of Bangor, Mrs. Florence A. Warner and Mrs. Maud Williams Smith of Portland and Dr. J. Mace Andress of Boston upon subjects representing different phases of child welfare and educational work for children. 1061 have attended the general meetings and 236 the local meetings, a total of 1297. The newspapers of the city most generously reported many of these meetings thus helping to disseminate suggestive and helpful ideas beyond the limits of Bangor.

The supervisor has taught one day or several days at a time in case of a teacher's enforced absence from school, has visited the same kindergarten parts of each day for one, two, even three weeks in order to help a particular child or give assistance to the work in general. Her visits total 263 for the school year.

Teacher's meetings have been held on 22 Monday and Friday afternoons. Upon looking back over the record of these meetings it seems safe to say that the majority have been of practical and intimate value to the teachers or of educational value. Because of the presence of Syrians, Poles, Greeks and Hebrews in various kindergartens certain teachers were asked to acquaint themselves with the life and customs of these people in their home land, by visiting them in their homes here or by reading, and present the result at stated times between January and April. Because of natural and trained ability one teacher was

asked to prepare a paper on children's drawing, suggesting, possibly through a collection of drawings, something of child development. Another made a collection of musical selections suitable for marches, skips and rhythmic exercises. Into the work of the remaining number a bit of healthy competition entered. Because of an effort to improve the speech of kindergarten children papers of practical value were asked for. These papers were judged by Miss Mary Hutchings of the high school. To the meetings of general educational value all public school teachers were invited. Professor Calvin Clark spoke on the life of Clemenceau, Professor J. J. Martin on Lincoln and Roosevelt and Professor Caroline Colvin on Americanization, addresses intended to inspire the listener with a desire to make her life as a teacher, a moulder of citizens, count for more. The common school teacher, it has been said, has a larger opportunity to promote good citizenship than the average college president.

On June 11, the kindergarten teachers entertained the first, second and third grade teachers in the high school assembly hall. Kindergarten games suitable for use in the grades were played and enjoyed. Books of the children's handwork were exhibited, a collection of better speech posters shown and one of the better speech papers read—A Homely Truth.

The work of the school nurses has been extremely satisfactory to parents and teachers and of benefit to the children as evidenced by one fact worthy of mention—Bower St. Kindergarten was 100% efficient in the care of the teeth. The weight and height tests revealed the fact that the Bangor kindergartens do not have an over percentage of undernourished children. In one kindergarten of 32 there were, however, 14 below standard children, indicating that some effort should be made to improve the nutritional condition of these children. A mid-morning



feeding of milk was instituted for a few weeks in several of the kindergartens; hardly long enough to prove to parents that milk is still necessary to the child old enough to eat different foods. "Mothers often over generous in some other foods stint the milk," says one of the directors. Some children are literally being starved to death, not because of poverty and lack of food, but because of the ignorance of parents who do not understand the food requirements of growing children. Having always believed in the mid-morning lunch for kindergarten children I now recommend that the school board provide a cup of milk and a graham or milk cracker for each child whose parents cannot afford to pay for it, and urge the parents of all other children to make the same provision. I believe that the children will be better off physically and in a more alert condition mentally. With added energy and vitality they will be better able to withstand disease, even children's diseases, and will do better school work.

In two different kindergartens an innovation was made in the plans for the Christmas tree celebration and the yearly closing exercises which proved so successful that it is difficult to state whether child or father, for whom the arrangement was especially made, enjoyed it the more. With the consent of each home represented these two exercises were held soon after the supper hour. So far as known no harmful results followed but the teachers wish it understood that "early to bed" is still their motto and that only on very rare occasions should any exception be made.

In the annual reports of the directors several refer to the campaign for better speech if the effort may be called by such a term. One says: "This year we have aimed more consciously than ever before to improve the children's English with the result

that many of the more glaring and more commonly used errors of speech have become unpopular, the children often correcting each other." Another: "Better English has been our slogan. Although never treated lightly at any time, with this idea foremost in our thoughts we have watched more carefully, corrected more tactfully and are beginning to see results—very small of course."

For many years free play periods have been a prominent feature in some of the kindergartens. One teacher writes: "This year I have worked much more than usual along the line of free inventions and I find this has been most satisfactory in many ways. Especially is it true along the line of handwork. I have never graduated a class I think that can really work out things for themselves as well as this class." Practically the same thought has been stated by another: "Expression through drawing has been a delight and benefit to the children. Each one of the older children can even depict something worth while with pencil or crayon, although at first the scribble stage seemed hopelessly in evidence. The spontaneous drawing has led to good results in free cutting and clay modeling. Work taken home has come back with additional touches or added designs."

The spirit of thrift and unselfish giving so prominently identified with our work during the war has not been lost sight of. The Kindergarten Unit for France and the thrift chest have received liberal patronage. Nearly every child in the eight kindergartens contributed to the Victory Statue to be presented to France by the United States. Their interest in the kindergarten children of that far away country makes France very real to them and their gift to the Victory Statue a real gift.

The good work begun last year in relation to better music—fewer and simpler songs—has been splendidly carried forward

in some kindergartens. The children's tones are truer and they have a better appreciation of music all around. I believe there will be much less for the grade teacher to undo than during former years.

Bangor still has many little children who enter the organized work of the elementary school from the unorganized activity and freedom of the home. When a sufficient number of kindergartens are provided this will not be. Will it be possible to add one more to the present number this year? There should be one connected with the Center St. school at once.

- Respectfully submitted,

Nellie E. Brown.

June 18, 1920.

## Report of Manual Training Department

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June 4, 1920.

*Mr. True C. Morrill, Superintendent of Schools:—*

Dear Sir:—

I herewith submit my annual report as Director of Mechanic Arts. This is the second report of the present Director.

The grade work for the past year has been up to the standard. In many respects it has differed materially from previous years, offering a wider variation of projects and thus keeping up the interest of the pupils. The one complaint which has come to me has been that the shops in both grammar schools are too crowded.

The High School work has been unusually good this year. I feel well satisfied with the results considering that our classes are twice as large as they should be. The instructor could not give the proper amount of time to each boy and in the sophomore shop could not take care of a class at a time. This condition has been taken care of for next year by engaging a man for each shop.

During the year 154 pupils have registered for Mechanical Drawing, 134 for Shopwork and 353 in the grades. Of these latter, 182 have taken the work at the Abraham Lincoln School, and 171 at the Hannibal Hamlin School.

I earnestly recommend the purchase of the machinery now under consideration, namely:—*a bandsaw, a buzz planer, a shaper, and a grinder.* These machines would add much to our facilities and are necessary to meet the State requirements. We are in a position to sell three wood lathes, which should net approximately \$225.

I would suggest that the School Committee consider the establishment of a course in printing in our schools. I found in my trip to Portland and Auburn that the printing courses were regarded as a valuable asset. It was especially recommended as practical training in English.

I would respectfully recommend that provisions be made in the next annual budget for one more man in the grade shops. In this way we can meet the State requirements. Also I would ask permission to install a tool cage in each of the High School shops. This is in accordance with the best shop practice and would prevent loss of tools.

I wish to take this opportunity to thank you, Mr. Morrill, and the Superintending School Committee for their cordial support of the work of my department. Also I would thank the principals of the Grammar Schools, and my assistants for their splendid spirit of co-operation, which has helped to make the work more of a success.

Respectfully Submitted,

Alden B. Hayes.

## Report of the Dean of Bangor High School

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*To True C. Morrill, Superintendent of Schools:—*

Dear Sir:—

In this first report of the dean of Bangor high school it gives me pleasure to say that I believe the new department has been of advantage to the school. The students have met the dean with the utmost cordiality. They have often asked her advice or assistance and have cheerfully accepted the suggestions she has made. I have taught long enough to know that much may be learned from young people as well as taught to them, and on the occasions when I have asked the young peoples' help or advice they have given it with a spirit of cooperation that shows them to be well disposed, as well as thoughtful and intelligent.

The work of the dean is not so absorbing and stimulating as that of a teacher in the schoolroom. A teacher in charge of a class, directing, encouraging, explaining, showing relations between disconnected facts, leading a group of young people along from one definite and valuable intellectual achievement to another, has a position of unique interest as well as importance. The dean's task, on the other hand, seems often to consist of a multitude of trifles. Then again, her work is irregular. Sometimes several important things are clamoring to be done at once; at other times nothing is pressing. All these things made it a little difficult, at first,

for me to get used to my new duties; but as soon as I had caught the swing of them I became increasingly aware of their interest and importance.

The cooperation of principal and fellow teachers, like the kindly influence of air and sunlight, has been a matter of course for so many years at Bangor high school that it seems quite unnecessary to mention such a thing; but that cooperation has never been more cordially or generously shown than during this last year and to this particular member of the city's teaching force. She therefore gratefully acknowledges wise counsel, valuable suggestions and always the atmosphere of friendliness.

Respectfully submitted,

Mary C. Robinson.

## Report of Domestic Science Department

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Bangor, Me., June 30, 1920.

*Mr. True C. Morrill, Superintendent of Schools,*

Dear Sir:—

I herewith submit the report of the Domestic Science department for the school year 1919-1920.

During this school term instruction has been given to eighty-five pupils in the high-school, in the following subjects: Cookery, Sewing, Hygiene and Sanitation, Marketing, Household Management, Household Accounting, and Interior Decorating.

Marketing, Household Management and Household Accounting being introduced as new subjects this year. I should like to recommend the purchase of a few domestic science books, that may be used for reference by the high school pupils.

The time allowed for Domestic Science in the high school lacks twenty minutes a day, of the time required to meet the requirements of the Smith-Hughes Act. The pupils however have been making up that loss of time by the Home Project Plan, that is, spending on an average of one hour each day, at practical home economics work in their own homes, such as preparing meals, sewing or mending, and the like.

In the grades, instruction has been given to three hundred and eighty pupils in cooking and sewing as offered in the outlines which follow.



On account of the high prices of food materials, the serving of luncheons by the grades has been almost entirely eliminated, this year only three luncheons being given.

In the high school one luncheon was served by the freshman class, and the upper classes had the opportunity of serving at the annual Portland football supper, the Penobscot County Convention, the Debating Society Banquet, and the Senior Banquet.

The sewing of all the grades and classes was on exhibition in the sewing room at the high school June eleventh.

Many have expressed their intention of joining a sewing class in the evening school next year, should such a class be formed. I should recommend that sewing be offered, along with the cooking another year.

I wish to express my sincere appreciation to Miss Ruth Crosby and Miss Theresa Pretto, assistants in this department, for their cooperation at all times, and the splendid work they have accomplished.

I also wish to thank Mr. Proctor and you, Mr. Morrill for the help so willingly given to the work.

Sincerely yours,

Ethel E. Harrigan,

Supervisor of Domestic Science.

## Report of School Agent

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Bangor, April 13, 1920.

*To the Superintending School Committee:—*

Gentlemen:

I submit the following as the report of the School Agent for the municipal year 1919-1920:

As usual the repair work on the school buildings was done during the long summer vacation. For the past few years it has been impossible to make a conservative estimate of improvements needed owing to rapidly advancing prices of material and labor. Again, it is always found that after an estimate is given in February many other needed wants begin to appear before vacation time. Another unlooked for expense this year was the work of keeping many of the roofs clear of snow and ice. All the important work was let out by contract and much of the interior painting was done by the department.

The raising of the Assembly Hall stage in the High School building eighteen (18) inches makes a decided improvement, especially from an acoustic standpoint. Other repairs in this building include the fitting up of a store-room in the basement for the R. O. T. C., painting the window sills, waxing the Assembly Hall floor, fitting up for the moving picture machine in the gymnasium and painting and kalsomining in some of the rooms. A few new school desks and chairs and several bentwood chairs were purchased and new bubble fountains were installed.

All the woodwork and ironwork of the exterior of the Valentine building was painted two coats. At Cottage Street and Crosbyville, the rooms and halls were painted and kalsomined. The interior woodwork in the Bower Street and Pearl Street buildings was painted two coats, the desk tops and seats varnished and the steampipes and radiators bronzed.

Five new Wood & Bishop Co. Tropic Clarion school-house heaters were installed as follows: Two at Forest Avenue, one each at Crosbyville, Hillside and Third Street. These heaters are doing very satisfactory work and next winter it is intended to use coal for fuel instead of wood.

New Kaustine toilets were tried in the buildings at Crosbyville and Hillside and although the tanks were buried and covered with earth and straw, they froze up during the extreme cold weather.

The new ironwork on the gutters of the buildings at Elm Street, State Street and Longfellow were painted two coats during the summer.

The room upstairs in the Third Street building, which was opened last fall to relieve the congestion at Hannibal Hamlin school, was painted and kalsomined and otherwise put in condition.

New grates were purchased for the boilers in Elm and State Street buildings.

Many improvements were made at the buildings in the Crosbyville and Hillside districts, and the usual minor repairs were made at the various other buildings during the summer.

### RECOMMENDATIONS

I would make the following recommendations for repairs during the summer vacation:

Repairs on the roof of the Hannibal Hamlin building; new grates for the boilers at Valentine building; new desk tops for desks in Center Street school-house; repairing iron gutters at Longfellow; new toilets and urinals in State and Elm Street buildings; painting exterior woodwork and ironwork at Larkin Street and relining iron gutters; painting Cottage Street building outside and building new fence around yard; laying new floor, erecting new beaver board ceiling and installing a modern heater and new movable desk at Stillwater Avenue; connecting toilet building with the main school-house at the Fuller district, and laying new floor in the Hillside school-house.

With the opening of the new Thirteenth Street school-house, it will be necessary to do considerable work in the Allen Street building to accommodate the Kindergarten in that section of the city and at the Hannibal Hamlin building it is probable that the two basement schoolrooms may be used for manual training and domestic science.

In closing, I wish to say that in the death of Mr. D. Lyman Wormwood, I feel that I have lost a valuable friend, whose judgment, foresight and advice in this branch of the department have been of great help to me.

I wish to thank your committee for the courtesies shown during the year.

Respectfully submitted,

George W. Cluff,

School Agent.

## Rules and Regulations of School Agent

Adopted June 2, 1914

### DUTIES OF THE SCHOOL AGENT

1. It shall be the duty of the School Agent to visit all school buildings in the City at least twice each month, and the rural schools at least twice each term.

2. The School Agent shall look over the buildings and grounds, correcting, through the janitors, any neglect of their duties. He shall also see to it that the closets, outbuildings and fences are kept in proper shape.

3. The School Agent shall act as inspector of all repairs on school property. He shall impress upon the janitors the necessity of keeping the basements clean and free from waste paper and other material liable to cause fire.

4. It shall be the duty of the School Agent to see that all school buildings are supplied with flags and poles properly equipped for displaying the flag.

5. When a vacancy occurs in any school building by reason of sickness or absence of any janitor, it shall be the duty of said janitor to notify the School Agent who shall procure a substitute during such absence.

6. When such absence occurs the School Agent shall notify the Superintendent of any temporary change.

7. He shall make a report of schools visited and his findings monthly to the Superintendent.

8. The Agent shall perform the duties herein stated and any other duties which the School Board may direct.

9. The rules and regulations to take effect when approved by the School Board.

## Report of the Truant Officer

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*To the City Council:*

I herewith submit the following annual report of the Truant Officer for the year ending Feb. 29, 1920.

One hundred and thirty-one cases of truancy have been given me to look up during the year. One arrest was made and the truant allowed to go on probation.

Respectfully submitted,

Geo. W. Cluff,

Truant Officer.

**JUNIOR EXHIBITION**  
OF THE  
**JUNIOR CLASS OF THE HIGH SCHOOL**  
CITY HALL, BANGOR, MAINE  
Friday Evening, March 26, 1920

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PROGRAM

- March—Sambre et Meuse.....*Turlet*  
High School Orchestra
- The Bootblack's Story.....*Phelps*  
Crosby G. Hodgman
- An Opera.....*Ade*  
Ruth T. Clough
- The Storming of Mission Ridge.....*Taylor*  
Clyde I. Swett
- Cujus Animam from Stabat Mater.....*Rossini*  
Chorus
- A Cutting from "The Lion and The Mouse".....*Hornblow-Klein*  
Justina E. Buckley

1920]

CITY OF BANGOR

463

Touissant L'Ouverture.....*Phillips*

Nathan R. Cohen

Andante from Surprise Symphony.....*Haydn*

High School Orchestra

The Prey of the Guillotine.....*Carlyle*

Dorothy Smith

The Soldier of 1914.....*Doumic*

F. Arnott Soderberg

A Cutting from "If I Were King".....*McCarthy*

Rosemary J. Allen

Waltz from Faust.....*Gounod*

Chorus

The Meaning of Americanism.....*Hughes*

Edward M. Curran

A Cutting from "The School for Scandal".....*Sheridan*

Lovis Sawyer

Overture—Bohemian Girl.....*Balfe*

High School Orchestra

Decision of Judges



**BANGOR HIGH SCHOOL ORCHESTRA****ADELBERT W. SPRAGUE, Conductor**

---

*First Violins*

Leonard Pooler, *Concert Master*  
Morris Alpert  
Paul Atwood  
Frances Bailey  
Estelle Baumann  
Dewey Christmas  
Alan Crowell  
Roy Dougherty  
Arthur Lipsky  
John Meade  
Edgar Murry  
Roger Nickerson  
Mildred Osborne  
Morris Robinson  
Albert Schiro  
Earl Spaulding

*Second Violins*

Edward Baker  
Franklin Baker  
George Barakat  
Eleanor Burke  
Geraldine Clark  
Elizabeth Collins  
Ruth Fletcher  
John Graham  
Maud Grant  
Ivy Gregory  
Daniel Griffin  
Leo Keefe  
Kenneth Largay  
Kathleen McCann  
Helen O'Connell  
MoRita Pickard  
Willis Rollins  
Lillian Rudman  
Dorothy Southard  
Natalie Tefft

*Violas*

Donald Downs  
Clyde Jones  
Alden Sawyer  
Francis Whitney

*Violoncellos*

Arthur Atwood  
Stanley Leonard  
Marguerite Murray

*Contrabass*

Arthur Stanhope

*Clarinets*Frederick Baumaun  
Franklin Gordon  
Roland Leveille  
Jasper Starrett*Saxophone*

Dorothy Sawyer

*Cornets*Francis Casey  
Lawrence Connor  
Eva Wakely*Flute*

Harold Pressey

*Horns*Thomas Carlin  
Clyde Swett*Trombones*Paul Davis  
Frederick Jacques*Tympani and Drums*Laurence Knott  
Francis Shaw*Piano Accompanists*Elizabeth Palmer  
Elizabeth Robbins

**GRADUATING EXERCISES**  
**OF THE**  
**NINTH GRADE**  
**BANGOR GRAMMAR SCHOOLS**  
**ASSEMBLY HALL**  
**HIGH SCHOOL BUILDING**  
**Friday Afternoon, June 18, 1920**

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**PROGRAM**

Prayer.....	Rev. Benjamin P. Browne
Orchestra, Berceuse, from "Jocelyn".....	Godard
Recitation, Don't Die on Third.....	
	William McCarthy
Vocal Solo, Oh How I Love a Summer Day.....	C. E. Roat
	Eloise Newcomb
Chorus, Estudiantina.....	P. Lacome
	School
Recitation, The War Horse, Bay Billy.....	
	Donald Rowe Taylor
Violin solo.....	Selected
	Lillian E. Boyd
Orchestra—Ballet, Intermezzo Russe.....	Theo Franke

Piano duet, "Minuet".....

Marian Phillips, Dorothea Lewis

Recitation, The Painter of Seville.....

Elizabeth McGarrigle

Chorus, The Heavens Are Telling, from "The Creation".....

School

Orchestra, Panquita..... Alfred G. Robyn

Conferring of Medals

Conferring of Diplomas

#### GRAMMAR SCHOOL ORCHESTRA

##### 1st Violin

John Townsend  
Mary Murphy  
Pauline Thompkins  
Elizabeth McGarrigle  
Ruth Jordan  
Maurice DeMerritt

##### 2nd Violin

Carl Larsen  
Irene Daggett  
John White  
Josephine Patterson  
Ruth Thompson

##### Cornets

Edith Rudman  
Bradford Baker

##### Drums—Frank Burrill

##### Piano—Dorothea Lewis

#### LIST OF GRADUATES

##### ABRAHAM LINCOLN SCHOOL

Zebie Augusta Adams  
Donald Mills Allen  
Annie Eva Appel  
George S. Boyden  
Gladys E. Boyer  
Lillian M. Crawford

Annie Marion McKenney  
Adah L. McLawlin  
Robert C. MacManus  
Harold J. O'Connell  
Constance Osgood  
Gretchen Reinhardt

Mandline Priscilla Currier  
Vaughan M. Daggett  
Amy D. Dearborn  
Josephine P. Doherty  
Benjamin J. Dorsky  
Ruth Kathleen Foster  
Mary Eleanor Gallagher  
Percy H. Gallison  
Henrietta Horton  
John B. Lynch  
William James McCarthy  
Donald R. McPheters  
Mildred Frances Mitchell  
Rebecca Newman  
William M. Noddin  
Frank Wilson Oaks  
John Francis O'Brien  
Lillian Antoinette Perkins  
James Edwin Rice  
Lillian Rolsky  
Laurence L. Rosen  
Rose Pearl Rubin  
Ruth Louise Russell  
Evelyn A. Shaw  
M. Iona Trafton  
Ralph Stanley Ulmer  
John Francis Williams  
Albert L. Whitley  
Madelene Woodman  
Phyllis Frances Battles  
Harvey Kimball Boyd  
Margaret Chalmers  
Allan Cohen  
Warren Creamer  
George Vincent Cuzzo  
Norma Irene Day  
Sylvia Louise Dennis

Barbara Reynolds  
Benjamin D. Rosen  
Edward Sawyer  
Dora I. Siegel  
Sylvia Snowdon  
Charles E. Sullivan  
Donald Rowe Taylor  
Frances M. Thatcher  
G. Edward Wadsworth  
Raymond George Worster  
Esther P. Altman  
Arline Evangeline Babcock  
Jasper Vannah Bailey  
Albert Walton Battles  
George Stephens Battles  
Richard F. Billington  
Cecil Vance Blaisdell  
Charles Rogers Bond, Jr.  
Lillian Edith Boyd  
Charles Donald Buchanan  
Jean Cummings  
Mary Pauline Currier  
Charlotte Eva Cushman  
Harold Percy Epstein  
Gertrude Goldberg  
Chester A. Goode  
James Coleman Graffam  
Percival Everett Guptill  
Max Ralph Hoffman  
Mildred Lillian Holden  
Esther E. Kamenkovitz  
Earle Hollis Kelley  
Rolaud E. King  
Samuel Levitz  
Laura Evelyn McIsaac  
Dorothy Ellen MacManus  
Mary Louise Reid

Viola Annie Duren	Lillian E. Richardson
Lena Lillian Epstein	Clara Crosby Rooks
Ruth Emma Fox	Philip Ashley Smith
Robert Shaw Harrigan	Viola Madeline Smith
Catherine M. Hutchings	Benjamin Taines
Irma Frances Jones	Miriam Carolyn Talberth
Marion Dorothy Katz	Georgia Whittier Treat
Alfred J. Martin	Galen Irving Veayo
Mae Dorothy Matheson	William Clarence Viner
Ralph Bernard Mayo	Clair Lucile White
Annie Rebecca Zitaner	

#### HANNIBAL HAMLIN SCHOOL

Thelma Ruth Blackwell	Priscilla Lillian Brown
Eva May Bowles	Irene Helen Daggett
Paul Raymond Clark	Anna Beatrice Byrnes
Marjorie Roselle Doyle	George Patrick Strout
Morris Francis Dunphey	Dorothy Margaret Bell
Helena Gertrude Dymond	Therma Madelene Perry
Agnes Florence Ebbeson	Dorothy Brooks Davis
Anna Constance Ebbeson	Charles Henry Lutz
Rufus Edgar Goodale	Myles Patten Cronkhite
Kathryn Margaret Kane	Robert Patrick O'Connell
James Prentiss Kittredge	Zelma Therese Mann
Donald Nealley Mason	Charlotte Odiorne
George Carter Matthews	Russell Bradford Baker
Walter Joseph Mooney	Paul Edwin Goodwin
Lewis Burpee Neal	Ruth Martha Jordan
Eloise Sterrott Newcomb	Elizabeth Alice McGarrigle
Edwin Forrest Parker	Ida May Morgan
Elizabeth Ella Peterson	Edmund Harrison Kimball
Helen Ruth Reed	Maisie Florence Adams
Doris Maud Roberts	Catherine L. Barron
Merle Roger Staples	Grace Mary Bilson
Kathleen May Stackpole	Lucy Bouchard
Eugene Oliver Skofield	Doris Elizabeth England

Ruth Maria Thompson	Eugene Joseph Flynn
Margaret Louise Shaw	Ralph Edgar French
Ernest Edmund West	Ralph Orcutt Frost
Norman Ansel Withee	Oyama Lorenz Furrow
Reginald Burgiss Wilson	Guy Atkinson Goff
Ernest Rodney Yerxa	Russell Chester Hobbs
Maurice Franklin DeMeritt	Sylvia Maud Kirkpatrick
Barbara Willis	Carl Prescott Lowe
Elizabeth Talbot	Katherine Arleene McAvoy
Allen Andrew Hartt	Marian Eugennie Phillips
Alice Evelyn Anderson	Mildred Edith Phillips
Arnold Elmer Allen	James Edward Rogan
Grace Evelyn Gerow	Myrtle C. Sheehan
Raymond Hewes Morrison	Gertrude Madeline Smith
Mary Alice Murphy	Hollis Frey Tweedie
Hazel Gertrude England	Cecil Herbert Walrath
Horace Stone Brown	Ralph Orville Watson
Bernice Ruth Small	Regina Mary Welch
Jack Lawrence Pinkham	Frances Lillian Wilcox
Pauline Dorothy Tompkins	Marguerite Louise Wing
Pearle Winnifred Hersey	Mildred Hope York
Leslie Penney Whitten	Dorothea Ames Lewis
Edna Mae Phillips	Catherine Reta Murphy
Robert Hewitt Martin	Philip Stearns Friend
	Therma Madelene Perry

#### SUBURBAN SCHOOLS

Alberta Dykemau	John Colby Chase
Belva A. Lane	Geneva Alice Foster
Roger Franklin Hazelton	Gladys Drusilla Bickford
	Nathalie Evelyn Wilson

# Class of 1920, Bangor High School

June 13, 1920

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*"Finished Yet Beginning"*

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## CLASS OFFICERS

Henry D. Hersey, President

Theresa A. Thompson, Vice-President

Ruth E. Henderson, Secretary

Thomas E. Jordan, Treasurer

## ROLL OF HONOR

Oscar Davis

Ivan Holmes

William Hough

Rodney Jennings

Hartwell Lewis

Harry Lutz

David Ryder

Stuart Robinson

Frank Rand

Lloyd Sewall

William Stewart

Newland Taylor

Walter Watson



## PROGRAM

Music .....	Orchestra
Prayer .....	
Essay—What Shall We Do About Immigration? .....	G. William Rowe
Essay—The Poet .....	Dorothy C. Freese
Chorus —Music of Spring .....	Ivanovici
History .....	Anna R. Daley
Essay—The Era of Electricity .....	Herbert E. Bragg
History .....	Thomas E. Jordan
Chorus—Happy Days Gone By .....	Strelezki
Essay—Avaunt, Defeat! .....	Alice L. Hammond
Parting Address—The Influence of a Great Man .....	Paul M. Croxford
Music—Adoration .....	Borowski

## Conferring Diplomas

## Conferring Medals

## Singing of Class Ode

## CLASS ODE

By Josephine B. Clough

Music by Elizabeth B. Palmer

At the threshold of Life we are waiting—  
 We are ready to enter the fray  
 E'er the dawn of another morn rising  
 Shall herald the break of the day;  
 No longer in pathways well trodden—  
 As the days fleeting onward will glide—  
 We shall walk, sharing each other's burdens,  
 For tonight our ways must divide.

We would fain tarry longer together,  
In the bonds of true friendship's fast chain;  
But Life has her goal for us ever—  
A quest which we all must attain.  
Now—the future is calling us onward,  
Ever onward to join in the fight  
With the challenging hosts of the thousands  
To further the triumph of Right.

Atlas, it is come! our parting,  
And the moment to bid sad goodbye.  
In the years which before us are stretching  
May we each towards that goal onward strive;  
Though the path may perchance oft seem rocky  
And obstacles oft block the way,  
Still may we push forward to victory  
Till the hour of our triumphal day.

#### FIRST HONORS

Average of A for the course in order of rank

Dorothy C. Freese	John G. Caulfield
Elizabeth P. Chandler	Alice G. Coney
Herbert E. Bragg	Helen M. Anderson
Mary L. Copeland	Ellwood L. Kimball
Thomas M. Nelligan	Ruth E. Henderson
Ethelyn M. Percival	Queenie M. Peters
Clarence P. Sullivan	Marjorie R. Driscoll
Josephine B. Clough	James H. Sullivan
Marjorie E. Nason	Alice L. Hammond
H. Bernice Wentworth	Gerald N. Robinson
Kate Kamenkovitz	Alice G. Stanley†
Carl W. Meinecke	H. Eugene Macdonald, Jr.
Margaret M. Flanigan	Ruth H. Savage
Dorothy E. Mossler	Frederic S. Jacques
Marion F. Lindsey	Beatrice M. Blake*
Mildred M. French	Dorothy F. Ewer

Mary R. Ferris  
Pearl Roundy

\*One Year.

Ida Cohen  
Helen M. Libby

†Two Years

## SECOND HONORS

### Average of B for the Course

Morris D. Alpert\*  
Helen G. Ambrose  
Gertrude M. Anderson  
Harry P. Baker  
Rena L. Baker  
Marcia A. Ball  
Rose Berson  
Gerald T. Billington  
Geraldine A. Brackett  
Eleanor Bragg  
Ruby M. Brown  
Philip C. Chalmers  
Dewey A. Christmas  
Bessie Cole  
Hester Crimmin\*  
Paul M. Croxford  
Hazel F. Cuuningham†  
Anna R. Daley  
Constance Day†  
Kenneth F. Day  
Edith E. Estabrook  
Blanca Farhi†  
Helene Farrington  
Ruth Farrington  
George W. Fogg  
Margaret E. Fogg  
Ethel I. Frost  
David M. Goldstein  
Marion F. Hall  
Morris S. Hayward†

### Names arranged Alphabetically

Carlotta Hersey  
Alice M. Hewey  
Verna M. Johns  
Thomas E. Jordan  
Anna Jorgenson  
Frances M. Kennedy  
Lena A. Libbey  
Leona C. McInnis  
Clara L. McPherson  
Ivie W. Mann  
Vina M. Manning  
Carl F. Moton  
Mona M. Mayo†  
June E. Mills  
Maydel V. Neal  
Maude L. Nickerson†  
Philip T. Oak  
Margaret A. O'Connell  
Francis J. O'Connor  
Virginia Odiorne  
Pauline Page  
Elizabeth B. Palmer  
Frances E. Patten  
Carolyn C. Perkins  
Ellen C. Person  
Wilma M. Pike  
June F. Richardson  
Carl E. Ring  
Hazel I. Roberts  
Edward E. Rosen

G. William Rowe  
 Rebecca Rudman  
 Philip A. Sargent †  
 Vera M. Savage  
 Villa C. Scripture  
 E. Fern Seabury  
 Mary H. Shaughnessy  
 Max Siegel  
 Earle W. Spurling  
 Theresa A. Thompson

\*One Year

Raymond E. Tibbetts  
 Dorothy I. Tuck  
 Mildred O. Tweedie  
 John A. Vickery  
 Alberta E. Wakely  
 Adelaide M. Wall  
 Adolph H. Waterman, Jr.\*  
 Hazel M. Wentworth  
 Avery H. Whitmore  
 Carolyn Woods

†Two Years

‡Three Years

## HONORS IN ENGLISH ESSAYS

Alice L. Hammond  
 Dorothy C. Freese  
 Rebecca Rudman  
 Mary L. Largay  
 Ruth E. Henderson

G. William Rowe  
 Herbert E. Bragg  
 Thomas M. Nelligan  
 Paul M. Croxford  
 Carl W. Meinecke

## NAMES OF GRADUATES

Morris D. Alpert  
 Helen G. Ambrose  
 Gertrude M. Anderson  
 Helen M. Anderson  
 Henry I. Bacon  
 Harry P. Baker  
 Rena L. Baker  
 Marcia A. Ball  
 Frederick W. Baumann  
 Rosa L. Beane  
 Rose Berson  
 Gerard T. Billington  
 Beatrice M. Blake  
 Granville M. Bond  
 Geraldine A. Brackett  
 Eleanor W. Bragg

Herbert E. Bragg  
 Ruby M. Brown  
 Thomas J. Carlin  
 George L. Carter  
 John G. L. Caulfield  
 Philip C. Chalmers  
 Elizabeth P. Chandler  
 Donald L. Chase  
 Dewey A. Christmas  
 Josephine B. Clough  
 Helen F. Coburn  
 Ida Cohen  
 Bessie L. Cole  
 Alice G. Coney  
 Lawrence C. Connor  
 Mary L. Copeland

Hester Crimmin  
Mark T. Crowley  
Paul M. Croxford  
Hazel F. Cunningham  
Anna R. Daley  
Ethel J. Darling  
Constance Day  
Kenneth F. Day  
Roland G. Dolley  
Dorothy F. Downes  
Marjorie R. Driscoll  
Edith E. Estabrook  
Dorothy F. Ewer  
Blanca Farhi  
Elsie J. Farrar  
Helene Farrington  
Ruth Farrington  
Mary R. Ferris  
Myles T. Finnigan  
Margaret M. Flanigan  
George W. Fogg  
Margaret E. Fogg  
Dorothy C. Freese  
Mildred M. French  
Ethel I. Frost  
William C. Gallagher  
David M. Goldstein  
George N. Grant  
Ruth M. Gray  
Lester F. Greeley  
Matilda S. Griffin  
Richard W. Gustin  
Marion F. Hall  
Alice L. Hammond  
William P. Hanson  
Belle Harris  
Dorothy M. Harris

Morris S. Hayward  
Ruth E. Henderson  
Carlotta Hersey  
Henry D. Hersey  
Alice M. Hewey  
Leota L. Hillman  
F. Gilbert Hills  
Hillis W. Holt  
Bentley S. Hutchins  
Esther H. Jackson  
Frederick S. Jacques  
Verna M. Johns  
Nels L. Johnson  
Thomas E. Jordan  
Anna Jorgenson  
Kate Kamenkovitz  
Kathleen B. Kelleher  
Mary M. Kelleher  
Oscar A. Kelley  
Frances M. Kennedy  
Anna M. Kettell  
Ellwood L. Kimball  
Claude B. Kittredge  
Inza B. Knowles  
George L. Lamson  
Judith A. Lamson  
Ralph I. Lancaster  
Mary L. Largay  
Frances B. Leonard  
Helen M. Libby  
Lena A. Libby  
Marion F. Lindsey  
Arthur A. Lipsky  
John T. McAloon  
C. Ruth McCabe  
Leona O. McInnis  
Clara L. McPherson

H. Eugene Macdonald, Jr.	A. Jacob Rich
Ivie W. Mann	June F. Richardson
Vina M. Manning	Carl E. Ring
Doris A. Mayo	Hazel I. Roberts
Mona M. Mayo	Gerald N. Robinson
John O. Meade	Edward E. Rosen
Carl W. Meinecke	Pearl Roundy
M. Eleanor Milan	G. William Rowe
June E. Mills	Rebecca Rudman
Carl F. Morrison	Noreen A. Russell
Dorothy E. Mossler	Philip A. Sargent
John E. Murphy	Ruth H. Savage
Janet S. Nason	Vera M. Savage
Marjorie E. Nason	Villa C. Scripture
Maydel V. Neal	E. Fern Seabury
Thomas M. Nelligan	Mary H. Shaughnessy
Chester F. Nichols	Francis G. Shaw
Maude L. Nickerson	Max Siegel
Philip T. Oak	Helen W. Sipprelle
Margaret A. O'Counell	Earle W. Spurling
Elsie M. O'Connor	Arthur L. Stanhope
Francis J. O'Connor	Alice G. Stanley
Hugh F. O'Leary	Edna S. Starrett
Virginia Odiorne	Wendell Stubbs
Irving O'Ree	Clarence P. Sullivan
Arthur H. Osborne	Edward C. Sullivan
Pauline Page	James H. Sullivan, Jr.
Elizabeth B. Palmer	Harry B. Thompson
Lannie A. Palmer	Theresa A. Thompson
Frances E. Patten	Raymond E. Tibbetts
Ethelyn M. Percival	Carl F. Trainer
Carolyn C. Perkins	Dorothy I. Tuck
Ellen C. Person	Pauline D. Turner
Queenie M. Peters	Mildred O. Tweedie
Wilma M. Pike	Barbara Tyler
Maurice J. Prescott	John A. Vickery
Eleanor M. Preble	Alberta E. Wakely

Adelaide M. Wall  
Adolph H. Waterman, Jr.  
H. Bernice Wentworth  
Hazel M. Wentworth  
Blair C. White

Avery H. Whitmore  
Fred J. Witherly  
Carolyn Woods  
Bernard C. Yerxa  
Louise D. Youngs

## Bangor City Government

### 1920-1921

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Mayor, JARVIS B. WOODS

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### ALDERMEN

Ward 1. Edward R. Hickson	Ward 2. Chas. J. Ferry
Ward 3. Frank W. Farrar	Ward 4. Horace B. Morison
Ward 5. Joseph E. Friend	Ward 6. Franklin A. W. Field
Ward 7. James P. Quine	

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### COMMON COUNCILMEN

President, Archie R. Lovette

#### Ward 1

James E. McGrath	Stanley M. Connors	John M. O'Connell
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#### Ward 2

John F. Rogers	John R. Ahearn	Harold B. Marshall
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#### Ward 3

Fred L. Ricker	Maynard W. Strout	Newton I. Winslow
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#### Ward 4

Benjamin W. Mayo	Herman L. Johnson	Earl W. Bowen
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#### Ward 5

Charles H. Smith	Henry J. Wheelright	Archie R. Lovette
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#### Ward 6

Leroy M. Howes	Charles J. Jones	Harvey E. Knowles
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#### Ward 7

William A. Ryder	Edward J. Conley	Charles O. Bolduc
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Clerk of Board, Thomas G. Donovan



## WARD OFFICERS

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### WARDENS

Ward 1. Timothy J. McCarthy  
Ward 2. Harrison J. Davis  
Ward 3. H. G. Hamilton  
Ward 4. Joseph T. Holbriook  
Ward 5. John Goldthwait  
Ward 6. Olin L. Clement  
Ward 7. Ralph F. Wood

### WARD CLERKS

Ward 1. Wm. H. Corcoran  
Ward 2. Harry E. Honey  
Ward 3. Elmer O. Whitten  
Ward 4. Chas. H. Sinnott  
Ward 5. John H. Pritchard  
Ward 6. Elmer E. Hodgkins  
Ward 7. Chas. E. Sweeney

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### BOARD OF REGISTRATION

William E. Southard, Chairman.....Term expires May 1, 1921  
James A. Gallagher.....Term expires May 1, 1923  
Edward I. Gleszer.....Term expires May 1, 1923

**CITY OFFICERS****1920-1921**

Mayor, Jarvis B. Woods

**ELECTED BY THE CITY COUNCIL**

City Clerk—Victor Brett  
City Treasurer and Collector—Thos. G. Donovan  
City Auditor—Lucian C. Everett  
City Solicitor—James B. Mountaine  
Chief of Police—Lindley W. Gilman  
City Electrician—Murray D. Gallupe  
Street Commissioner—Arthur T. Campbell  
City Engineer—David J. Nason  
Superintendent of Sewers—Wm. E. Givren  
School Agent and Truant Officer—Geo. W. Cluff  
Chief Engineer of Fire Department—Eugene Le Barrows  
City Physician—Herbert C. Scribner  
Harbor Master—Edwin Lord

**ASSESSORS**

Geo. G. Nelson.....Term expires 1921  
Hiram S. Haskell.....Term expires 1922  
Elmer E. Hodgkins.....Term expires 1923

**OVERSEERS OF THE POOR**

John J. Flynn.....Term expires 1921  
Daniel W. Maxfield.....Term expires 1922  
Nathaniel A. Kenney.....Term expires 1923

## SCHOOL COMMITTEE

Jere F. Angley.....	Term expires 1921
Arthur H. Black.....	Term expires 1921
Wm. A. Wheeler.....	Term expires 1922
Frederic W. Adams.....	Term expires 1922
Arthur C. Nickerson.....	Term expires 1923

## SUPERINTENDENT OF SCHOOLS

(Appointed by School Committee)

True C. Morrill

## STREET ENGINEERS

D. J. Nason, ex-officio, F. B. Morison, Chas. H. Smith

## CEMETERY BOARD

Chas. F. Bragg, Benj. F. Tefft, Eben W. Blunt

Constables—Lindley W. Gilman, Anson A. Powers, Thomas E. O'Donohue, Frank J. Rogan, Calvin Knaide, Frank M. Douglas, William E. Dyer, Thomas F. Allen, Guy L. Peavey, H. L. Archer, G. A. Tibbetts, Lewis Richelson, Willard B. Clark, John Goldthwait, O. L. Clement, Robert R. Pease, D. J. McGrath, Jr., Wm. J. Nagle, Simon O'Leary, J. L. Fahey.

Surveyors of Lumber—Harry M. Smith, J. E. Gillispie, D. J. McGrath, Jr., Frank E. Flaherty, G. F. Tibbetts, E. L. Thurston.

Fence Viewers—Chas. M. Foster, Joseph B. Leathers, Ira P. Watson, Nathan Sanders, Frank H. Prilay, Gideon Ray, S. N. Cohen.

## BANGOR WATER BOARD

Jarvis B. Woods, Mayor, ex-officio

M. S. Clifford.....Term expires March, 1921

A. L. Blanchard.....Term expires March, 1921

Hosea B. Buck.....Term expires March, 1922

W. S. Higgins.....Term expires March, 1922

Frank P. Denaco.....Term expires March, 1923

Hayward C. Dunham.....Term expires March, 1923

## CLERK AND COLLECTOR

Walter I. Brown

Assistants—Edna B. Pickard, Delia G. Mann

Superintendent—Melville A. Sinclair

Chief Engineer—J. W. Dougherty

Inspector—Alvah W. Blaisdell

Inspector—Thos. V. Campbell

Consulting Chemist—Prof. James M. Caird

Resident Chemist—A. C. Powell

## TRUSTEES OF HERSEY FUND

Jarvis B. Woods, Mayor, ex-officio

Thos. G. Donovan, Treasurer, ex-officio

Arthur Chapin.....Term expires February, 1921

Frederic W. Adams.....Term expires February, 1923

William F. Curran.....Term expires February, 1925

## APPOINTED BY THE MAYOR AND ALDERMEN

Inspector of Buildings—William E. Givren

Sealer of Weights and Measures—N. W. Whitman

City Missionary—Mrs. Jennie McPhee Johnson

Inspector of Milk—H. D. McNeil

**POLICE DEPARTMENT**

Chief of Police, Lindley W. Gilman

**REGULAR POLICEMEN**

James L. Fahey, Deputy Chief

Calvin Knaide, Inspector	Harry P. Baker
John T. Mackie	Simon O'Leary
Dennis J. Griffin	William F. McAllister
Cornelius Donovan	Daniel F. Kennedy
Thomas E. O'Donohue	John W. Mahoney
Frank J. Golden	James E. Reagan, Headquarters Man
Frank J. Rogan	Ambrose L. Phillips, Captain
Ralph G. Reid	Fred H. Bean
James P. Beck	Horace S. Berry
Benjamin P. Sproul, Captain	Charles F. Carey, Sergeant
William H. Mead, Sergeant	James A. Conners
Walter R. Holmes	Frank E. Foley
William H. Gehigan	Timothy Rogers
	Dolor Veilleaux

● **SPECIAL PATROLMEN**

Henry M. Geagan

**SPECIAL—BREWER BRIDGE**

Timothy J. O'Leary

**SPECIAL CHAUFFEURS**

William F. Banks                      Levi L. Lambert                      Walter E. Strout

**POLICE EXAMINING BOARD**

Eugene B. Sanger.....Term expires March, 1921  
Chas. M. Stewart.....Term expires March, 1922  
Herbert C. Scribner, City Physician, ex-officio

## BOARD OF HEALTH

Harry D. McNeil.....Term expires March, 1923  
Herman Y. Dyer.....Term expires March, 1921

## SEWER BOARD

Alderman Frank W. Farrar  
Ira P. Watson.....Term expires March, 1921  
John F. Fleming.....Term expires March, 1922  
Wm. E. Givren, Sup't of Sewers, ex-officio

## PARK COMMISSIONERS

Geo. E. Thompson.....Term expires March, 1921  
Samuel R. Prentiss.....Term expires March, 1922  
C. A. Robbins.....Term expires March, 1923

Measurers of Wood and Bark—Arthur Wentworth, T. H. Donovan, Amory W. Staples, Chas. A. Elkins, Geo. A. Daley, Chas. M. Stewart, C. G. Chalmers, A. J. Robinson, Fred B. Tuck, Eben W. Blunt, W. B. Crossman, Albert Weston, Hosea B. Buck, E. H. Toole, John D. Toole, G. A. Tibbetts.

Public Weighers and Gaugers—John F. Woodman, J. F. Anglely, F. C. Brackett, F. F. Rich, Arthur Wentworth, T. A. Daley, I. W. Barker, C. M. Stewart, C. B. Chalmers, Fred B. Tuck, Samuel J. Robinson, W. A. Decker, W. F. Brackett, J. F. Green, E. C. Graham, Eben W. Blunt, James Hayes, H. C. Applebee, Peter A. Currier, J. M. Murphy, Albert Weston, R. A. Dyer, F. M. Woodman, Henry F. Whitman, Abram Brown, Edward H. Toole, John H. Rice, Guy P. Bailey, John D. Toole, D. L. Mitchell, F. R. Burke, Geo. M. Drew, A. U. Daigle, F. O. Jellison, B. B. Scott, E. E. Hamm, H. D. Eaton, W. M. Barry, F. H. Toole, Elmer Jordan, J. H. Gillis, W. H. McGinness, C. T. Angel, Earl Jennings.

## SUPERINTENDENT OF BURIALS

Reuben E. Hathorn

**UNDERTAKERS**

Rubn E. Hathorn—Mt. Hope  
Patrick Quine—Mt. Pleasant  
Ralph C. Eveleth—Oak Grove, Finson road  
Edward H. Allen—Pine Grove, Carmel road  
W. H. Bryant—Maple Grove, Pushaw road

**SUPERINTENDENT OF CLOCKS**

(Employed by the Mayor)

John Tebbetts

**APPOINTED BY BOARD OF HEALTH**

Inspector of Plumbing

David W. Mackie

**SUPERINTENDENT OF ALMSHOUSE**

(Appointed by the Mayor)

Lewis E. Klatte

**ASSISTANT ASSESSORS**

(Appointed by Assessors and approved by Mayor and Aldermen)

Ward 1. Harry Allen  
Ward 2. Ashley B. Wood  
Ward 3. Fred W. Jacques  
Ward 4. Augustine Palmer  
Ward 5. Frank H. Small  
Ward 6. Henry B. Thoms  
Ward 7. W. S. Taylor

## BOARD OF MOTHERS AID

Mrs. Jennie A. Doering  
Daniel W. Maxfield, D. D. S.  
Victor Brett

## CHIEF OF FIRE DEPARTMENT

Eugene LaBarrows

## OFFICERS AND PERMANENT MEN

(Appointed by the Chief Engineer and approved by Aldermen)

## PERMANENT MEN

P. J. Kelley, 1st District Chief.  
J. P. McCosker, 2d District Chief.  
Dennis Curran, Call Chief.  
Geo. K. Adams, Driver Ladder Hose 5.  
John T. Gulliver, Motor Truck Driver.  
Everett E. Morrison, Ladderman.  
Seth D. Libbey, Ladderman.  
Wm. McGrath, Ladderman.  
Geo. A. Rimbach, Ladderman.  
Frank A. Libby, Driver Aerial Truck.  
Daniel T. Sexton, Hoseman.  
Chas. Johnson, Driver Aerial Truck.  
Fred M. Crowell, Ch. Engr. Steamers.  
J. Frank Granville, Clerk.  
Wm. McGrath, Ladderman.  
H. J. Coleman, Driver Hose 6.  
Walter R. Jordan, Driver Hose 6.  
Dennis J. Givren, Hoseman—Hose 6.  
Chas. P. Lee, Auto Truck Driver.  
Harold R. Stevens, Auto Truck Driver.



Edwin O. Burr—Driver Hose 2.  
Daniel T. Mooney—Driver Hose 2.  
M. H. Cochrane—Driver Hose 3.  
Wm. J. Charlton, Driver Hose 4.  
Albert B. Smith—Driver Hose 3.  
Wm. J. Sullivan—Driver Hose 4.  
Jas. E. Leavitt—Driver Hose 4.  
Albert C. Lambert, Driver Hose 5.  
James E. Crowley, Driver Hose 5.  
Geo. M. Darling, Driver Ladder—Hose 5.  
Wm. T. Pierce, Eng'r Steamers—Hose 4.

## STANDING COMMITTEES 1920

## ON FINANCE AND INSURANCE

The Mayor and President of Common Council, ex-officio  
Aldermen Friend                      Councilmen Jones and O'Connell

## ON ACCOUNTS AND CLAIMS

Alderman Quine                      Councilmen Smith and Wheelright

## ON STREETS AND HIGHWAYS

Alderman Farrar                      Councilmen Howes and Conners

## ON SCHOOLS

Alderman Field                      Councilmen Mayo and McGrath

## ON FIRE DEPARTMENT

Alderman Morison                      Councilmen Wheelright and Conley

## ON PAUPER DEPARTMENT

Alderman Ferry                                  Councilmen Ricker and Johnson

## ON WATER

Alderman Ferry Councilmen Ricker and Bowen

## ON ELECTRICAL DEPARTMENT AND STREET LIGHTS

Alderman Field

Councilmen Winslow and Marshall

## ON CITY PROPERTY

Aldermen Hickson

Councilmen Mayo and Strout

## ON PUBLIC UTILITIES

Alderman Farrar

Councilmen Strout and Ryder

## ON TAXATION

Alderman Friend

Councilmen Jones and Knowles

## ON BY-LAWS AND POLICE REGULATIONS

Alderman Field

Councilmen Johnson and Ahearn

## ON ENGROSSED BILLS

Aldermen Hickson and Morison

Councilmen Rogers and Bolduc

## ON LICENSES

Aldermen Quine and Friend

Councilmen Smith, Howes and Conley

## ON ELECTIONS

Aldermen Morison, Ferry and Farrar

## ON ELECTIONS IN COMMON COUNCIL

Councilmen Jones, Knowles and Rogers

## SALARIES OF SUBORDINATE OFFICERS

---

Mayor .....	\$1,500.00
City Clerk .....	1,000.00
Clerk of Common Council .....	125.00
Chief of Police (including horse hire) .....	1,700.00
Police Deputy, Inspector and Captains, each, per day .....	4.25
Policemen, for each day's actual service .....	4.00
Street Commissioner .....	1,800.00
City Solicitor, including office rent .....	750.00
Chief Engineer of Fire Department (who shall devote all his time to the office) including keeping of horse .....	1,500.00
Harbor Master .....	400.00
Truant Officer, fixed by School Dept. ....	
Board of Health, Health Officer, full time .....	2,500.00
The other member .....	50.00
Inspector of Plumbing, per day .....	4.00
City Treasurer and Collector of Taxes .....	2,000.00
Treasurer's Assistant .....	1,200.00
Overseers of the Poor, Sec. ....	600.00
The other two members, each .....	400.00
Superintendent of Almshouse .....	1,000.00
Superintendent of Schools .....	2,750.00
School Agent, fixed by School Dept. ....	
Street Engineers (including horse hire) Alderman .....	100.00
Street Engineers, Councilman .....	50.00
School Committee, each .....	60.00
City Physician, (including horse hire and all services except in cases of smallpox, cholera and yellow fever, and the city to furnish all medicines) .....	500.00
City Engineer (including horse hire) .....	1,700.00
Assessors, each .....	1,500.00

Assistant Assessors, per day, each.....	3.00
Superintendent of Sewers, (including horse hire).....	1,200.00
Superintendent of Public clocks.....	150.00
City Auditor.....	1,800.00
City Electrician (including horse hire).....	1,700.00
Clerk of Water Board.....	2,300.00
Engineer of Water Works.....	1,700.00
Superintendent of Water Dept.....	2,750.00
Undertaker (R. E. Hathorn) (fixed by Ordinance).....	300.00
Undertaker (Patrick Quine) (fixed by Ordinance).....	200.00

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